

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF TAMIL- BA TAMIL LITERATURE

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1T1	Seyyul Ikkala Ilakkiyam, Sirukathai, Illakiya Varalaaru, Payannmurai Tamizh	Examine short stories and novels analytically and interpretively, to identify and analyze literary elements like plot, character, setting, tone, point of view, theme, style, symbol, metaphor, and image .
			.Compare and contrast authors' treatments of theme, character, and subject matter, as well as synthesize diverse critical studies of a given author or particular short stories or novels.
			Trace the historical development of the short story and the novel by examining selected representational works
	18K1T01	Ikkala Ilakkiyam	Identify representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Analyze representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Identify literary aspects such as symbols, themes, characters, point of view, mood, tone, setting, plot, and style as found in the selected works of the authors surveyed
	18K1T02	Illakkiya Thiranaaivu	Demonstrate an understanding of the salencies of Tamil literary texts
			Identify literary aspects such as symbols, themes, characters, point of view, mood, tone, setting, plot, and style as found in the selected works of the authors surveyed
			Students will demonstrate speaking, listening, reading, and writing skills in Tamil
	18K1T1T1	Tamizh Illakkiya Varalaaru	Introduction to literary periods
Understand the impact of socio-cultural and political events on the literary texts.			
Introduction to literary writers and genres specific to literary periods			
II	18K2T2	Seiyul (Idaikala Ilakkiyam) Pudhinam, Tamizhil Pirasolzh Kalappu Ilakkiya Varalaaru	Compare and contrast authors' treatments of theme, character, and subject matter, as well as synthesize diverse critical studies of a given author or particular short stories or novels
			Students will demonstrate speaking, listening, reading, and writing skills in the
	18K2T03	Nannul Ezhluthuadhikaaram	Introduction to the work of grammar in Tamil language
			Demonstrate an awareness of the structural combination of words
II	18K2T04	Ilakkana Varalaru	Introduction to Tamil grammar.
			Demonstrate an understanding of the salencies of ancient Tamil Literature

Semester	Subject Code	Title of the Paper	Course Outcome
	18K2TAT2	Naatupuraviyal	Introduction to folk literature
			To analyze the folk-life through Folk materials with Interdisciplinary approach
			To apply the Folklore for the study of people culture and nature
			Understand the classification of folk arts , theatre, culture, beliefs and religion
III	18K3T3	Seiyyul (Kaapiyanghal) Urainadai, Aluvazh Murai Madalkal, Illakkiya Varalaaru	Examine short stories and novels analytically and interpretively, to identify and analyze literary elements like plot, character, setting, tone, point of view, theme, style, symbol, metaphor, and image .
			.Compare and contrast authors' treatments of theme, character, and subject matter, as well as synthesize diverse critical studies of a given author or particular short stories or novels.
			Trace the historical development of the short story and the novel by examining selected representational works
			Students will demonstrate speaking, listening, reading, and writing skills in Tamil
III	18K3T05	Ara Illakkiyam	Acquaint the student with some important works of systematic ethical philosophy and to bring to bear the viewpoint of those works on the study of classic works of literature
III	18K3T06	Nannul Soladhikaaram	Deals with words and parts of speech
			Demonstrate understanding of the classification of Tamil words into four categories – <i>iyar chol</i> (words in common usage), <i>thiri chol</i> (words used in Tamil literature), <i>vada chol</i> (words borrowed from Sanskrit), <i>thisai chol</i> (words borrowed from other languages)
III	18K3TAT3	Maghaleeriyazh	Introduction to the role of women in the society
			Know about the achievements of exemplary women
			Awareness about the legal rights of women
	18K3TELO 1	Pannithervu Tamizh	Introduced to the role of Tamil in State Government competitive examinations
			Facilitate preparation for competitive examinations like TNPSC
			Students demonstrate speaking, listening, reading, and writing skills in Tamil

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3SST1	Siddhar Illakkiyam	Introduction to Saiva Siddhanta philosophy and literature
			Analysis of the use of Tamil as a medium by the Siddhars
			Recognition of the place of Siddhar literature within the accepted standards of Tamil literature
IV	18K4T4	Seiyul (Pandaya Illakkiyam), Illakkiya Varalaaru, Natagam, Podhukatturai	Examine short stories and novels analytically and interpretively, to identify and analyze literary elements like plot, character, setting, tone, point of view, theme, style, symbol, metaphor, and image .
			.Compare and contrast authors' treatments of theme, character, and subject matter, as well as synthesize diverse critical studies of a given author or particular short stories or novels.
			Trace the historical development of the short story and the novel by examining selected representational works
	18K4T07	Thatthuveyyal	Introduction to Indian traditional thought and thinkers with special reference to Tamil sources.
			Foster a comparative study of Eastern and Western thought in Tamil Language
			Focus on the study of different systems of Indian Philosophy, especially from the rich materials embedded in the Tamil philosophical works and their commentaries
IV	18K4T08	Yaaparunkalaakaarikai	Introduction to the parts of speech- verbs
			Learn about the predominance of speech over that of written word
			Learn to write without grammatical error
	18K4TAT4	Tamizh Varalaatrum Panpaadum	Understand the relation between language and culture
			Understand the salencies of Tamil culture and language
			Ability to analyse and compare the salencies of Tamil culture and language with that of other cultures in India
	18K4TEL02	Inaiyum Tamizhum	Introduced to the role of Tamil in media
			Students will demonstrate speaking, listening, reading, and writing skills in Tamil
	18K4SST2	Koyirkalaiyum Panpaadum Aatchiyum	Documentation of ancient and traditional sculptures of India
			Documentation of Tamil and Sanskrit iconography terminologies
V	18K5T09	Kaappiyangal	Focus is on ancient Tamil epic poetry
			Demonstrate an understanding of the salencies of epic poetry
			Develop the techniques of literary criticism applied by classical scholars to the study of the ancient texts
			An understanding of the internal structure and unity of the individual epics studied

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5T10	Thandiyaalangaram	Introduction to metaphor from linguistics and cognitive level
			Examines metaphorical expressions from word level up to discourse level
			Emphasis on the functions of metaphor
			Analyse how metaphors structure our thinking
	18K5T11	Chittrillakkiyam	Introduction to interior landscape in the psyche of an individual
			Understanding of the relationship between the exterior and interior landscape and culture
	18K5TET1	Kalvettiyal	To study the culture and civilization of South India based on the archaeological and epigraphical sources.
			To understand the antiquity of Tamil Nadu both in time and space and to study the political, social and economic development of Tamil Nadu using primarily archaeological and epigraphical sources.
	18K5SBEC3	Pottithervu Tamil	Introduced to the role of Tamil in State Government competitive examinations
			Facilitate preparation for competitive examinations like TNPSC
Students demonstrate speaking, listening, reading, and writing skills in Tamil			
Students will demonstrate speaking, listening, reading, and writing skills in Tamil			
VI	18K6T12	Nambikaiporul	Akam dealt with 'that which is inside' or 'the inner world' - in other words, love poems, written in highly structured form
	18K6T13	Puraporul Venbamalai	Introduction to puram – one of the genres of Tamil Classical poetry
			Understanding of vPuram's themes that dealt with the outer world', public life, war, death, and the glory of kings.
	18K6T14	Sanga Illakkiyam	Introduction to ancient Tamil Literature
			Understanding of Sangam literature that deals with emotional and material topics such as love, war, governance, trade and bereavement.
			Analyse the relevance of Sangam topoi in the current literary scenario

Semester	Subject Code	Title of the Paper	Course Outcome
	18K6T15	Tamilan Semmozhi Panbugal	Demonstrate some knowledge of dialectical cultural differences in Tamil
			Students will demonstrate an accurate understanding of linguistic concepts related to the target language, including the fundamentals of phonetics, semantics, and morphology and syntax, as well as basic pragmatic and sociolinguistic aspects
			Demonstrate knowledge of the interrelation between language and culture
			Communicate in contexts relevant to oneself and others, and one's immediate environment
	18K6TELT2	Suvadiyal	Introduction to manuscriptology
			Learn about preservation of Palm leaf manuscripts using new scientific techniques
			Learn about preservation of rare manuscripts through digitization and microfilming
			Learn about publication of the materials related to humanities and science from the Palm-leaf manuscripts
	19K6TELT3	Padaippu Illakkiyam	Compose, revise, discuss and critique their own poems, stories and fiction taking into cognizance techniques, conventions, and forms.
			Recognize, define, and identify poetic terms and genres

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Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1T01	Ikkala Illakkiyam- I	Identify representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Analyze representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Identify literary aspects such as symbols, themes, characters, point of view, mood, tone, setting, plot, and style as found in the selected works of the authors surveyed
	18KP1T02	Ikkala Illakkiyam- II	Identify representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Analyze representative works of the modern literature of Tamil Literature in terms of the historical, political and cultural backgrounds
			Identify literary aspects such as symbols, themes, characters, point of view, mood, tone, setting, plot, and style as found in the selected works of the authors surveyed
	18KP1T03	Ara Illakkiyam	Acquaint the student with some important works of systematic ethical philosophy and to bring to bear the viewpoint of those works on the study of classic works of literature.
	18KP1T04	Tholkapiyam Eluthuadhikaaram	Introduction to the work of grammar in Tamil language
			Demonstrate an awareness of the structural combination of words
	18KP1TELT1	Sindhanaiyal	Introduction to the thoughts and ideologies of literary and philosophical persona
			Demonstrate an understanding of public speech
			Imbibe the salencies of thoughts in life
II	18KP2T05	Bakhti Illakkiyam	Introduction to the Bhakti movement in India
			Impact of the Bakti movement on literary works
			Demonstrate an understanding of the Bhakti literature reflects a new form of devotion to God i.e., a personal bond between the devotee and the deity
18KP2T06	Kaapiyangal	Focus is on ancient Tamil epic poetry	
		Demonstrate an understanding of the salencies of epic poetry	
		Develop the techniques of literary criticism applied by classical scholars to the study of the ancient texts	
		An understanding of the internal structure and unity of the individual epics studied	
			Engagement with the central critical approaches and scholarly theories concerning these works

Semester	Subject Code	Title of the Paper	Course Outcome	
II	18KP2T07	Tholkkapiyam Soladhikaaram	Deals with words and parts of speech	
			Demonstrate understanding of the classification of Tamil words into four categories – <i>iyar chol</i> (words in common usage), <i>thiri chol</i> (words used in Tamil literature), <i>vada chol</i> (words borrowed from Sanskrit), <i>thisai chol</i> (words borrowed from other languages)	
	18KP2T08	Mozhiyal	Grasp the complexity of language as a communication system shaped by cognitive, biological, cultural, and social factor	
			Demonstrate understanding of the concepts, theories, and methodologies used by linguists in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	
			Demonstrate understanding of processes of language change and variation,	
	18KP2TELT2	Uraiaasiriyargal	Demonstrate understanding grammatical discourse	
			Demonstrate understanding of literary discourse	
			Contributions made by eminent rhetoricians	
			Analyse the relevance of discourse in the present scenario	
	II	18KP2SST1	Sorpolivu Kalai	Develop and innovate effective writing processes to compose texts for varied readers;
				Recognize, explain, and apply various rhetorical modes in writing
				Demonstrate an understanding of the ethical and political responsibilities inherent in producing, receiving, and assessing written discourse
Exhibit knowledge of digital technologies and discourse and produce writing for audiences of digital media				
II	118KP3T09	Tholkaapiyam Poruladhikaaram (Mudhal 5 Iiyalgal)	Introduction to the work of grammar in Tamil language	
			Classification of land types, and seasons and defines modes of life for each of the combinations of land types	
			Defines the modes of personal life i.e. life of couples	
			Defines the modes of one's public life	

Semester	Subject Code	Title of the Paper	Course Outcome
	18KP3T10	Molipeyarbiyal	Critically apply theories, methodologies, and knowledge to address fundamental questions in TS
			Demonstrate skills in oral and written communication sufficient to publish and present work in TS and to prepare grant proposals
			To enable students to engage in advanced study and research with scholars in the field of Translation Studies
			To foster original and scholarly research in the field
	18KP3TELT3	Ariviyal Tamil	To popularize science through Tamil and to make aware of scientific achievements and technological progress
			To prepare Scientific Terminology in Tamil for various science subjects like Physics, Chemistry, Mathematics, Biology, Engineering
			To publish Scientific Tamil Text books for professional courses
III	19KP3TELT4	Oppillakkiyam	Demonstrate knowledge in the interdisciplinary field of comparative and world literature
			Demonstrate an informed appreciation of cross-cultural interconnections and diversity of literatures and cultures across time and space
			Demonstrate expertise in two or three literary traditions as defined by language; period, region, genre, theme, or movement.
			Demonstrate advanced research and analytical skills
	18KP3SST2	Thiraipada Varalaaru	Introduction to the history of cinema
			Demonstrate an ability to analyze basic techniques employed by screenwriters, filmmakers, and writers of fiction and/or drama
			Analyze selected novels, plays, and short stories and to compare them with corresponding film adaptations.
			Evaluate the strengths and weaknesses of adapted works in comparison with the original printed versions.

IV	18KP4T12	Tholkaapiyam Poruladhikaaram (Pin Naangu Illakkiyangal	Introduction to the work of grammar in Tamil language
			Classification of land types, and seasons and defines modes of life for each of the combinations of land types
			Impact of feelings, a psychological views exposed in ancient literatures
			Deals with a grammar for classical Tamil poetry based on principles of prosody
	18KP4T13	OppittuNokkil Ulaga Semmoligal	Introduction to study of world classical languages
			Demonstrate the ability to understand the origin of languages
			Identity, Compare and Contrast the saliencies of languages
	18KP4T14	Aaraaitchi Nerimuraigal	Understand some basic concepts of research and its methodologies
			Identify appropriate research topics
			Ability to write analytically and lucidly.
			Demonstrate proficiency with standard documentation styles, i.e

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DEPARTMENT OF ENGLISH - BA ENGLISH LITERATURE

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1E1	English Made Easy -I	Develop productive and active skills
			Understand and appreciate poetic and prose texts
			Reinforcement of LSRW skills
			Use of grammar in day to day life
	18K1E01	Prose	Develop reading and writing skills
			Improve vocabulary and writing skills
			Introduced to literary prose pieces.
	18K1E02	British Poetry: Chaucer to the Moderns	Understand and appreciate poetry of different literary periods
			Introduced to literary movements
			Learn to write poems
			Learn to appreciate the content and form
	18K1EAE1	Social History of England	Know the historical events of England
			Know the social events and its impact on literature of the period
Know the politico-economical events and its impact on the literature of the period			
Learn the cultural and religious orientation of the people of England.			

Semester	Subject Code	Title of the Paper	Course Outcome
II	18K2E2	English Made Easy- II	Develop productive and active skills
			Understand and appreciate poetic and prose texts
			Reinforcement of LSRW skills
			Use of grammar in day to day life
	18K2E03	Short Stories and Fiction	Introduction to the genre of short story and fiction.
			Learn the techniques of short story and fiction
		Learn to write short story	

Semester	Subject Code	Title of the Paper	Course Outcome
II	18K2E04	Literary Forms and Terms	Introduction to literary genres
			Introduction to literary terms and forms
	18K2EAE2	History of English Literature- I	Introduction to literary periods
			Understand the impact of socio-cultural and political events on the literary texts.
			Introduction to literary writers and genres specific to literary periods

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3E3	Fluency in English -I	Develop productive and active skills
			Understand and appreciate poetic and prose texts
			Reinforcement of LSRW skills
			Use of grammar in day to day life
	18K3E05	British Drama	Introduction the genre of drama
			Learn the salient features of dramatic techniques
			Introduced to eminent British dramatists
	18K3E06	American Literature	Identify key ideas, representative authors and works, significant historical or cultural events
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods
			Demonstrate knowledge of the different styles of writing .
			Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3EAE3	History of English Literature- II	Introduction to literary periods
			Understand the impact of socio-cultural and political events on the literary texts.
			Introduction to literary writers and genres specific to literary periods
	18K3SSE1	Single Author Study- Rabindranath Tagore	Introduction to the literary oeuvre of Tagore
			Familiarise the students with the theme and socio-cultural ethos of the writer.
			Learn to appreciate and critically analyse the salient features of a literary text- form, language and narration.
	18K3EEL01	Modern English and Usage - I	Introduction to the basic grammar in English
			Introduction to the usage of common words in English
			Learn to grammatically write and speak in English

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4E4	Fluency in English - II	Develop productive and active skills
			Understand and appreciate poetic and prose texts
			Reinforcement of LSRW skills
			Use of grammar in day to day life
	18K4E07	Indian Writing in English	Introduction to eminent literary writers of Indian origin
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Demonstrate knowledge and comprehension of the literary texts
			Read with interpretive and analytical proficiency-

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4E08	Literature and Environment	Analyse creative representations of human relationships with the non-human world
			Compare environmental literary texts from a range of periods, with attention to their contexts and their formal qualities
			Consider issues of environment from social, historical, cultural and aesthetic perspective
			Understand the interrelationship between man and environment.
	18K4EAE4	History of English Language	Understand how the English language has changed over time from its origins to the present day
			Understand the relationship between the history of the English language and social and political processes
	18K4EEL02	Modern English and Usage- II	Introduction to the basic grammar in English
			Introduction to the usage of common words in English
			Learn to grammatically write and speak in English
	18K4SSE2	Major Literary Movement and Literary Terms	Introduction to literary genres
Introduction to literary terms and forms			
Introduction to literary periods			

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5E09	Literary Criticism: Aristotle to T. S. Eliot	Identify major theoretical/critical movements and theorists, as well as primary concepts with which they are associated
			Examine historical contexts for the development of contemporary theory and criticism
			Evaluate and analyze strengths and limitations of critical/theoretical arguments
			Strengthen and deepen critical reading, writing, and interpretive practices
	18K5E10	National Literature in Translation	Discuss the origin and aspects of Indian writers in Translation
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Introduce theories of translation
			Demonstrate knowledge and comprehension of the literary texts
	18K5E11	Subaltern Literature	Introduced to the socio-cultural and historical nuances of the concept subaltern
			Discuss the aspects of subaltern writing
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Demonstrate knowledge and comprehension of the literary texts
	18K5E12	Women's Writing in English	Discuss aspects of women's writing;
			Demonstrate understanding of critical and theoretical debates surrounding women's writing
			Demonstrate awareness of cultural and intercultural concerns relating to women's writing
			Interpret and analyse literary works by women
	18K5EELE1	Comprehension Skills	Interpret and analyse literary works by women
			Interpret and analyse literary works by women
			To promote think aloud activity (reading for meaning)
			To develop reading skills

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6E13	Shakespeare	Gain an insight into the age of Shakespeare
			Understand the themes and techniques of Shakespearean plays and sonnets
			Analyse Shakespeare's works critically
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
	18K6E14	Diasporic Literature	Create students' awareness of contemporary literature written in English by Asian diasporic writers.
			Understanding of contemporary transnational and transcultural themes and issues through a study of a number of stories, non-fiction, and filmic texts.
			Students learn about the aspects of various Asian diaspora experiences and issues surrounding multiculturalism
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
	18K6E15	Children's Literature	Research the background, the history and the cultural context of children's literature
			Analyze literature for children
			Discuss and experiment with the art of storytelling
			Student will analyze writing for children in terms of literary and artistic elements and standard
	18K6EELE2	Common Errors in English	Introduce the students to basic grammar in English
			Learn to use common words in English
			Learn to speak and write grammatically correct English
18K6EELE3	News Reporting and Editing	Learn the basics of news gathering and news writing.	
		Demonstrate the ability to read, comprehend, and analyze current events	
		Identify and appreciate depth, balance, transparency, and accountability in news coverage	

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Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1E01	British Literature I (1340-1660)	Identify key ideas, representative authors and works, significant historical or cultural events
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods
			Demonstrate knowledge of the different styles of writing .
			Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities
	18KP1E02	Contemporary Indian Writing in English	Introduction to eminent literary writers of Indian origin
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Demonstrate knowledge and comprehension of the literary texts
			Read with interpretive and analytical proficiency-
	18KP1E03A.*	Linguistics: Theory and Practice	Grasp the complexity of language as a communication system shaped by cognitive, biological, cultural, and social factor
			Demonstrate understanding of the concepts, theories, and methodologies used by linguists in qualitative and quantitative analyses of linguistic structure, and patterns of language use.
			Demonstrate understanding of processes of language change and variation,
	18KP1E03B	Applied Language Skills	Awareness of correct usage of English grammar in writing and speaking
Improve their speaking ability in English both in terms of fluency and comprehensibility			
Improve their reading fluency skills through extensive reading			
Students will attain and enhance competence in the four modes of literacy: writing, speaking, reading and listening			
18KP1E04	Contemporary American Literature	Identify key ideas, representative authors and works, significant historical or cultural events	
		Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods	
		Demonstrate knowledge of the different styles of writing .	
		Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities	

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1EELE1	Translation Studies	Critically apply theories, methodologies, and knowledge to address fundamental questions in TS
			Demonstrate skills in oral and written communication sufficient to publish and present work in TS and to prepare grant proposals
			To enable students to engage in advanced study and research with scholars in the field of Translation Studies
			To foster original and scholarly research in the field
Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2E05	British Literature II (1660-1798)	Identify key ideas, representative authors and works, significant historical or cultural events
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods
			Demonstrate knowledge of the different styles of writing .
			Articulate the aesthetic principles .
	18KP2E06	Contemporary Literary Theory	Appreciate the relevant value of theoretical models in literary study
			Demonstrate an understanding of important theoretical methodologies by summarising key concepts or arguments.
			Apply these concepts or arguments successfully in a close reading of a literary text.
			Examine important themes in literary interpretation inclusive of character, voice, narrative, and genre
	18KP2E07A*	English Language Teaching	To comprehend the concepts related to language and the relationships between these concepts
			To develop new materials to be used in the teaching process
			To select materials for classroom use according to usefulness, , and students' age and language level
			To provide an atmosphere that enhances student participation.
18KP2E07B	English For Specific Purpose	Awareness of correct usage of English grammar in writing and speaking	
		Improve their speaking ability in English both in terms of fluency and comprehensibility	
		Attainment of competence in the four modes of literacy: writing, speaking, reading and listening	

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II	18KP2E08	World Classics in Translation	Discuss the origin and aspects of world wide writers translated in English
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Introduce theories of translation
			Demonstrate knowledge and comprehension of the literary texts
	18KP2EELE2	South Asian Writing in English	Ability to demonstrate awareness of the wide range of Asian cultures
			Introduction to eminent literary writers of South Asian countries
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			ability to describe and analyze pre-eminent literary texts
	18KP2SSE1	Critical Terms and Literary Movements	Demonstrate an understanding of important theoretical terms
			Introduction to literary genres
			Introduction to literary terms and forms
			Introduction to literary periods

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3E09	British Literature (1798-2014)	Identify key ideas, representative authors and works, significant historical or cultural events
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods
			Demonstrate knowledge of the different styles of writing .
			Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3E10	Comparative Literature	Demonstrate knowledge in the interdisciplinary field of comparative and world literature
			Demonstrate an informed appreciation of cross-cultural interconnections and diversity of literatures and cultures across time and space
			Demonstrate expertise in two or three literary traditions as defined by language; period, region, genre, theme, or movement.
			Demonstrate advanced research and analytical skills
	18KP3E11A*	Research Methodology	Understand some basic concepts of research and its methodologies
			Identify appropriate research topics
			ability to write analytically and lucidly.
			demonstrate proficiency with standard documentation styles, i.e
	18KP3E11B	Rhetoric : Style and Writing	Develop and innovate effective writing processes to compose texts for varied readers;
			Recognize, explain, and apply various rhetorical modes in writing
			Demonstrate an understanding of the ethical and political responsibilities inherent in producing, receiving, and assessing written discourse
			Exhibit knowledge of digital technologies and discourse and produce writing for audiences of digital media
	18KP3EELE3	Indian Literature in Translation	Discuss the origin and aspects of Indian writers translated in English
			Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts
			Introduce theories of translation
			Demonstrate knowledge and comprehension of the literary texts
18KP3EELE4	African Literature in English	Ability to demonstrate awareness of the wide range of African cultures	
		Introduction to eminent literary writers of African countries	
		Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts	
		Ability to describe and analyze pre-eminent literary texts	

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF ENGLISH - MA ENGLISH LITERATURE

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3SSE2	English For SET/ NET	Introduction to literary terms, genres, movements
			Demonstrate comprehensive understanding of history of literatures- British, American, New Literature

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4E12	Women's Writing in English	Discuss aspects of women's writing;
			Demonstrate understanding of critical and theoretical debates surrounding women's writing
			Demonstrate awareness of cultural and intercultural concerns relating to women's writing
			Interpret and analyse literary works by women
	18KP4E13	Postmodern Literature	Analyze the relationship between modernism and postmodernism as well as what differentiates the two movements from a critical perspective
			Critically respond to a range of theoretical debates within modernism and postmodernism.
			Examine some of the major works produced in the context of postmodernism
			Apply postmodern concepts or arguments successfully in a close reading of a literary text
	18KP4E14A*	Postcolonial Literature	Discusses literary texts written by British authors during the period of colonial and imperialist expansion
			Focuses on texts written by authors who live in a country that was colonised, and who write in English.
			Know how race, class, gender, history, and identity are presented and problematised in the literary text
			Apply postcolonial concepts or arguments successfully in a close reading of a literary text

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4E14B	African American Literature	Analyze representative works of African American literature in terms of its historical progression
			Analyze representative works of African American literature in terms of cultural, regional, and ethnic considerations
			Analyze representative works of African American literature in terms of unifying themes and motifs
	18KP4EELE5	Creative Writing	Compose, revise, discuss and critique their own poems, stories and fiction taking into cognizance techniques, conventions, and forms.
			Recognize, define, and identify poetic terms and genres

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1EC01	Indian Economic Development	Develop ideas of the basic characteristics of Indian economy, its potential on natural resources
			Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development
			Grasp the importance of planning undertaken by the government of India
			Understand agriculture as the foundation of economic growth and development
	18K1EC02	Micro Economics - I	Develop ideas of the basic characteristics of Indian economy, its potential on natural resources.
			Understand the importance, causes and impact of population growth and its distribution
			Grasp the importance of planning undertaken by the government of India
			Understand agriculture as the foundation of economic growth and development, analyse the progress and changing nature of agricultural sector a
	18K1ECAEC1	Marketing	Identify core concepts of marketing and the role of marketing in business and society.
			Ability to develop marketing strategies based on product, price, place and promotion objectives.
			Ability to create an integrated marketing communications plan which includes promotional strategies and measures of effectiveness

Semester	Subject Code	Title of the Paper	Course Outcome
II	18K2EC03	Micro Economics - II	Identify the various types of investment function analysis and understand the elements of social cost benefit analysis
			Understand international and inter regional trade, identify and understand various trade theories, analyze the various types of restrictions of international trade.
	18K23C04	Tamil Nadu Economy	Understand the process of growth in Tamil Nadu economy
			Comprehend the specific economic issues pertaining to the region
	18K2ECAEC2	Advertising Management	Explain the roles which advertising can play in the contemporary marketing mix and marketing environment.
			Explain different theories of advertising effectiveness.
Explain the process of advertising planning			

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3EC05	Macro Economics	Define and explain the process of calculating national income, identify its components, demonstrate circular flow of income
			Understand Say's law of market, classical theory of employment and Keynes objection to the classical theory, demonstrate the principle of effective demand and income determination.
			Explain the meaning of consumption function, relationship between APC and MPC, consumption and income
			Understand the relationship between investment and savings, demonstrate investment multiplier, and understand the meaning of MEC and MEI.
	18K3EC06	Agricultural Economics	Sensitize the overall development and engine of growth in agriculture
			Learn and identify the opportunities open/available in those flourishing sectors such as horticulture, fishing and floriculture and forestry.
			Gain knowledge of the causes of regional variations in productivity and production, social and economic inequality
			Make them aware of the availability of rich natural endowments to achieve sustainable agricultural development
	18K3ECAS1	Statistics For Economics-I	To provide essential knowledge of the theory and key properties of probability and random variables,
			Facilitate an understanding of the main branches of basic statistical inference
			Introduction of the fundamental concepts statistical modelling
	18K3ECEL01	Risk Management	Demonstrate knowledge of the range of financial and financial related risks facing organisations
Understand the approach to risk management through risk identification, risk measurement and risk management			
Understand operational risk and how to manage it.			
18K3SSEC1	Economics of Transportation	Think critically about transportation economics.	
		Evaluate economic policies that affects the transportation system.	
		Apply basic econometric methods to the analysis of transportation data	

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4EC07	Monetary Economics	Introduction to monetary economics: main questions of monetary economics, the role of models
			Econometric analysis of the monetary transmission mechanism: empirical facts about monetary economics
			Studies uncertainty in monetary economics that is pervasive in macroeconomic modelling
	18K4EC08	Entrepreneurship Development	Definition of entrepreneurship, historical background, Gandhian philosophy, rural, village and cottage industries
			Develop an understanding of Entrepreneurship scenario in the country
			Ability to discern distinct entrepreneurial traits
	18K4ECAS2	Statistics for Economics- II	To provide essential knowledge of the theory and key properties of probability and random variables,
			Facilitate an understanding of the main branches of basic statistical inference
			Introduction of the fundamental concepts statistical modelling
	18K4ECEL02	Energy Economics	Understand the role of energy in economic activity
			Have a knowledge of methods to assess alternative energy projects, technologies, and policies
			Know what key factors and principles need to be considered in evaluating alternative energy policy options
18K4SSEC2	Regional Economics	Explores how economic activity is distributed across space	
		Investigates the implications of including spatial aspects in economic analysis.	
		Apply economic theory to topical issues of regional economics	

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5EC09	Fiscal Economics	Assess how tax implications affect public budgeting and finance.
			Evaluate the notion of tax equity and how public administrators strive for balance and fairness.
			Discuss various impacts of fiscal policy on the execution of budgeting process
	18K5EC10	Economic Growth and Development	Acquire a basic understanding of the issues and on-going debates on development economics.
			Apply an analytical framework to understand the important structural characteristics of development
			Acquire skills in conducting research related to development issues
	18K5EC11	International Economics	To be familiar with the main economic theories and models of international trade, -
			Understand economists' arguments concerning trade policy and its analysis
			Apply economic reasoning to issues of the day surrounding globalization
V	18K5EC12	History of Economic Thought	Understand key models and concepts of the history of economic thought
			Understand scholarly articles concerned the history of economic thought
			Historical consciousness of economic ideas.
	18K5ECELEC1	Tourism Economics	Demonstrating knowledge and understanding of the basic principles of tourism in all its dimensions and areas
			Identify and evaluate the elements of the tourism system and its interaction with the environment as well as their impact.
			Determining the economic impact generated by tourism
VI	18K6EC13	Managerial Economics	Understand the different costs of production and how they affect short and long run decisions
			Understand economies of scale, diseconomies of scale, economies of scope, and cost complementarities, and how each affects the cost of production
			Apply the economic way of thinking to individual decisions and business decisions
	18K6EC14	Capitalist Market	Explain the basic concepts about capital market
			Analyze the capital market institutions
			Analyze bond and other capital market instruments

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6EC15	Economic System	Learn about the complex system of modern economy
			Define market, planned and command economy
			Define and explain the characteristics of a competitive market
	18K6ECELEC2	Economics of Insurance	Understand the concepts and principles of insurance
			To know the various types of insurance and insurance business in India
			To become aware of insurance legislation in India
	18K6ECELEC3	Human Resource Development	Differentiate between human resource development (HRD) and other human resource management functions
			Explain the strategic importance of HRD in the success of organisations within the context of social and environmental pressure
			Develop skills in identifying HRD needs and in designing, implementing and evaluating HRD programs.

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF ECONOMICS - MA ECONOMICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1EC01	Micro Economics-I	Demonstrate marginal productivity theory of distribution, theory of wages, identify different types of rent
			Understand how factor market works, illustrate basic tools in welfare economics, and illustrate the concept of social welfare functions and compensation principles
			Identify the various types of investment function analysis and understand the elements of social cost benefit analysis.
	18KP1EC02	Macro Economics - I	Demonstrate the meaning and function of money, high powered money, monetary and paper system
			Identify types of banks, explain the meaning and function of commercial banks, illustrate how banks create credit, and suggest the instruments to control credit.
			Analyze different phases of trade cycle, demonstrate various trade cycle theories
			Illustrate the meaning of inflation, deflation, stagflation and reflation, identify different kinds of inflation, causes and effects of inflation on different sectors of the economy
	18KP1EC03	Methods for Economic Analysis – I (Mathematical Methods)	Examine basic economic problems facing society while applying simple microeconomic theory to practical problems
			Evaluate the major economic aggregates and determine how they are measured
			Analyze and discuss the nature of business cycles to justify decision making in a professional context
	18KP1EC04	Indian Economic Development	Understand the various aspects of India's economy
			Develop a perspective on the different problems and approaches to economic planning and development in India
Understand the role of the Indian Economy in the global context, and how different factors have affected this process			
18KP1ECELEC1	Environmental Economics	Realize the importance and influence of environment on the economy including the quality of manpowe	
		Understand that environmental problem is not the problem of a single country or region but a global problem.	
		Demonstrate the scientific management of waste materials; realize the role and importance of individuals to keep the environment clean	

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2EC05	Micro Economics - II	Define and calculate consumer, producer and total surplus; graphically illustrate consumer, producer and total surplus
			Differentiate between marginal utility and total utility
			Analyze different strategies to control monopolies, including natural monopolies
	18KP2EC06	Macro Economics- II	Define the term “economic indicator;” identify the major economic indicators used to assess the state of the macroeconomy
			Describe the relationships among GDP, net domestic product, national income, personal income, and disposable income
			Connect globalization, international trade, and international finance.
	18KP2EC07	Methods for Economic Analysis- II (Statistical Methods)	Introduce statistical methods and provide an insight into their uses in economics
			Demonstrate application of a range of statistical techniques to economic problems
			Ability to relate statistical methodology to economic enquiry
	18KP2EC08	International Economics	Introduction to the main economic theories and models of international trade
			Understanding of open-economy macroeconomics and the determinants of exchange rates and the balance of payments
			Apply economic reasoning to issues of the day surrounding globalization
18KP2ECELEC2	Agricultural Economics	Student learn to list and explain different agricultural economic fields, including the food industry, demand theory	
		To be able to combine various theories and concepts of economics for evaluation of measures for agrarian and rural development policies;	
		To be able to integrate various theories of economics and marketing for performing research in and forecasting of the local, regional, and international agricultural and foodstuff markets;	
18KSSEC1	Personnel Management	Explain the importance of human resources and their effective management in organizations	
		Evaluate, interpret issues of international training, development and compensation	
		Demonstrate the ability to use conflict resolution skills in practical situations	

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3EC09	Fiscal Economics	Assess how tax implications affect public budgeting and finance.
			Evaluate the notion of tax equity and how public administrators strive for balance and fairness
			Discuss various impacts of fiscal policy on the execution of budgeting processes.
	18KP3EC10	Research Methodology	Understand some basic concepts of research and its methodologies
			Select and define appropriate research problem and parameters
			Organize and conduct research (advanced project) in a more appropriate manner
	18KP3EC11	Econometrics	A broad knowledge of regression analysis relevant for analysing economic data.
			Interpretation and critical evaluation of the outcomes of empirical analysis
			Elementary procedures for model validation in the single equation context
III	18KP3ECELEC3	Economics for Competitive Examinations	Learn to compete and succeed in competitive examinations
	18KP3ECELEC4	Human Resource Management	Develop, implement, and evaluate employee orientation, training, and development programs.
			Present and evaluate communication messages and processes related to the human resources function of the organization
			Facilitate and communicate the human resources component of the organization's business plan.
	18KP3SSEC2	Rural Economics	Gain insight into the socio-economic structure of rural India
			Understand the prospects and problems of rural development in India
IV	18KP4EC12	Entrepreneurship Development	Understand different innovation and entrepreneurship theories and their implications
			Understand the various scientific research methods commonly used to study innovation, entrepreneurship and new technology
			Students will be able to define, identify and/or apply the principles of new venture financing, growth financing, and growth financing for existing businesses

Semester	Subject Code	Title of the Paper	Course Outcome
	18KP4EC13	Industrial Economics	Identify and compare different market structures
			Describe and apply the fundamentals of game theory and its application to entry deterrence.
			Describe and compare different views of profits persistence based on market structure and innovation
	18KP4EC14	Banking	Describe the context of banking: the financial system
			Explain the principles of banking
			Analyse and explain the basic raison d'etre for banks.
	18KP4ECELEC5	Computer Applications in Economics	The student should be able to analyze, evaluate, and make recommendations regarding business technology
			Students will be required to not only identify problems but also generate solutions and make recommendations based on a logical and thorough analysis of the alternatives
			Students will work collaboratively, demonstrating courtesy, using appropriate etiquette, in preparing and presenting presentations and cases

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF HISTORY - BA HISTORY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1H01	History of India up to 1206 C.E	Understand the salient features of Indus valley civilization II
			Evaluate the features of Buddhism and Jainism
	18K1H02	History of Tamil Nadu up to 1800 C.E	Understand the socio, economic and cultural condition of the Sangam age
			Identify the contribution of Pallavas to art and architecture
	18K1HAH1	Modern Governments - I	Demonstrate understanding basic facts about the historical origin of government
			Demonstrate a generalized understanding of the dynamic relationship between politics and economics globally
II	18K2H03	History of India from 1206 to 1707 C.E	Identify the condition of India under the Mughal Empire. IV
			Explain the Administration and art and architecture of Mughal
	18K2H04	History of Tamil Nadu from 1801 to 1967 C.E	Evaluate the establishment of the British rule in Tamil Nadu and Vellore mutin
			Identify the socio- religious reform movements in Tamil Nadu.
	18K2HAH2	Modern Governments- II	Understand the theoretical and practical roles of state legislatures as policymaking institutions
			Demonstrate an understanding of common ethical problems that arise in contemporary politic
III	18K3H05	History of India From 1707 to 1857 C.E	Discuss the advent of Europeans and their administration II
			Evaluate the Anglo-Mysore wars and Anglo-Sikh war
	18K3H06	History of Europe from 1453 to 1789 C.E	Describe the Geographical discoveries and the Renaissance movement in Europe. II-
			Assess the causes and effects of Reformation and Counter-Reformation movements.
	18K3HAH3	Public Administration - I	Imparting the knowledge, skills, and values necessary to effectively lead public service organizations;
			Providing students with opportunities to explore and identify career choices and achieve their public service goals
18K3HELO1	History of Freedom Movement in India from 1885 to 1947 C. E	Understand modern Indian history	
		Identify the importance and the legacy of Freedom Movement	
18K3SSH1	Principles and Methods of Museology	Demonstrate a critical awareness of how museums communicate complex ideas to a general audience.	
IV	18K4H07	History of India from 1858 to 1947 C. E	Evaluate the Anglo-Mysore wars and Anglo-Sikh wars.
			Realise the Permanent Revenue system and Lord Ripon's Local Self Government

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4H08	History of Modern Europe from 1789 to 1945 C.E	Describe the Geographical discoveries and the Renaissance movement in Europe
			Assess the causes and effects of Reformation and Counter-Reformation movements
	18K4HAH4	Public Administration- II	Students will be able to lead and manage in public governance
			Students will be able to communicate and interact productively with a diverse and changing workforce and citizenry.
IV	18K4HELO2	Panchayatraj with Special Reference to Tamil Nadu	Understand the ancient panchayatraj system under the Cholas
			. Narrate the reforms of Lord Ripon to Local Government
	18K4SSH2	Indian History for Competitive Examinations	Evaluate the intelligence, creativity and assessment in Competitive examinations.
			Understand the verbal abilities and Fluency
V	18K5H09	History of India from 1947 to 1997 C.E	Recognise the integration of Indian states and SardarVallabai Patel's effort for this.
			Examine the internal and external policy of Jawaharlal Nehru, LalBahadurSastri and Indhira Gandh
	18K5H10	History of USA from Colonization to 1865 C.E	Discuss the Causes for the American war of Independence
			Debate the achievements of George Washington
	18K5H11	History of China and Japan from 1894 to 1970 C.E	This course imparted students the knowledge of the political developments and the important events related to it in the 19th and early 20th centuries in China. • It imparted knowledge on the economy and society of the said perio
			• It imparted knowledge on the economy and society of the said period
	18K5H12	History of Russia up to 1991 C.E	Understand the role of Peter the Great and Catherine II in Russia
			Discuss the implementation of Five Year Plan by Stalin
	18K5HELH1	Archaeology	Understand the various Kinds of Archaeology II.
			Study of the important Archaeologists

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6H13	History of Science and Technology	Trace the achievements of Plato and Aristotle II.
			Highlight the contributions of Great Persons to Science and Technology
	18K6H14	Introduction to Historiography	The course introduced to the students 'what exactly is history'. • It teaches the students, how to study history.
			It teaches the students, how to study history
	18K6H15	History of England from 1603 to 1760 C.E	Learn about the history of British Colonisation.
			Learn the impact of colonisation on States
	19K6HELH2	Journalism	Students will be able to write a variety of mass media products, including news stories, press releases, and advertising copy, following accepted journalistic standards, including Associated Press style.
			Students will be able to create and design emerging media products, including blogs, digital audio, digital video, social media, digital photography, and multimedia.
	18K6HELH3	Human Rights	Students identify problems and issues related to human rights
			The role of human rights in contemporary issues

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF HISTORY - MA HISTORY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1H01	Socio- Economic and Cultural History of India up to 1206 C. E	Identify the administration of Guptas and their contribution to Nalanda University.
			Examine the Arab conquest of Sindu and the battle of Tarain
	18KP1H02	Socio- Economic and Cultural History of Indian from 1206 to 1707 C.E	Recognise the Socio, economic and religious conditions under Vijayanagar Empire.
			Identify the condition of India under the Mughal Empire
	18KP1H03	Socio- Economic and Cultural History of Tamil Nadu from Sangam Age to 1800 C.E	Narrate the socio, economic condition of Tamil Nadu under the rule of Chola
			Describe the advent of Islam in Tamil Nadu
18KP1H04	World Civilization up to 1453 C.E (Excluding India)	This paper balances political, economic, religious, and cultural history of Continental Europe till the early modern period.	
		Beginning with the fifteenth-century conquest of the “Atlantic Mediterranean”, it imparts the knowledge on the emergence of Europe as the first truly global power	
	18KP1HELH1	Human Rights	Understand the historical growth of the idea of human rights
			Demonstrate an awareness of the international context of human rights

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2H05	History of India from 1707 to 1857 C.E	Understand about the Socio-religious reform movements in 19th century.
			State the role of moderates and extremists in the freedom movement
	18KP2H06	Socio- Economic and Cultural History of Tamil Nadu from 1800 C.E to the present day.	Know the significance of South Indian Rebellion
			Understand the role of Tamil Freedom Fighters in National Movement
	18KP2H07	History of Europe from 1453 to 1789 C.E	Visualise the importance of revolt of 1830 and 1848 in France and the efforts of Bismarck for the unification of Germany.
			Understand the causes and results for the First world war
	18KP2H08	History of Science and Technology	Bring out the significance of Atomic Energy .
Analyse the progress of Science and Technology in modern India			
18KP2HELH2	Principles and Methods of Archaeology	Trace the Megalithic cultural sites in Tamil Nadu V.	
		Analyse the archaeological sites in South India	
III	18KP2SSH1	Hospitality Management	Assess the leadership, supervisory, and human relations skills within the hospitality industry
			Apply knowledge of convention management skills.
III	18KP3H09	Colonialism and Nationalism in Modern India	Knowledge of the social, economic, cultural and administrative changes in India between 1780 and 1965.
			A clear understanding of the various historiographical currents in South Asian history
	18KP3H10	History of Modern Europe From 1789 to 1919 C.E	Realize the cause and results of French Revolution and the achievements of Napoleon Bonaparte
			Visualise the importance of revolt of 1830 and 1848 in France and the efforts of Bismarck for the unification of German

Semester	Subject Code	Title of the Paper	Course Outcome
	18KP3H11	Historiography	Study the scope and purpose of history
			Compare the uses and abuses of history
	18KP3HELH3	Women's Studies	Study the concept of Gender justice
			Describe the abolition of Devadasi system in Tamil Nadu
IV	18KP3HELH4	Environmental History	Describe the field of environmental history
			Explain how historical events have been influenced by the natural environment
	18KP3SSH2	History For Competitive Examinations	Narrate the spatial and perceptual abilities and situation reaction test..
			State the memory and inductive reasoning for competitive examinations
IV	18KP4H12	History of U.S. A from 1865 to 1974 C.E	Elucidate rise of USA as a World Power V.
			Illustrate the participation of USA in the World Wars
	18JP4H13	International Relations since 1919 C.E	Evaluate the causes of the Cold War III. Discuss the origin and achievements of Common Wealth of Nation
			Discuss the origin and achievements of Common Wealth of Nation
	18KP4H14	History of Thanjavur up to 1947 C.E	To understand the scope of ancient history of India
			To understand the socio- cultural and religious import of Thanjavur
IV	18KP4HELH5	Intellectual History of Modern India	Recognise the integration of Indian states and SardarVallabai Patel's effort for this.
			Examine the internal and external policy of Jawaharlal Nehru, LalBahadurSastri and Indhira Gandhi.

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF COMMERCE – B.COM

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1CO01	Principles of Accountancy	Know about basic accounting
			Learn the accounting practices for the preparation of final accounts
			Learn about consignment and joint venture
			Learn the accounting methods for non-trading organisation
	18K1CO02	Business Law	Learn about business laws
			Understand the relation between law and contract
			Learn about the interrelation among law indemnity and guarantee
			Understand about the contract of sales of Goods Act
	18K1COAC01	Business Economics	Introduction to business economics
			Understand the production function and law of Returns
			Learn about pricing under monopoly
			Learn about the theory of distribution

Semester	Subject Code	Title of the Paper	Course Outcome
II	18K2CO03	Business Tools For Decision Making	Learn the basics of Statistics
			Understand the relation of Statistics to that of business
			Understand the concepts of correlation and regression
	18K2CO04	Auditing	Learn the methods and principles of auditing
			Learn about Internal check and audit
			Learn about vouching of cash transaction
			Learn about the auditor's report
	18K2COAC02	Business Environment and Management	Understand the emerging issues in Business
Understand the concept of MBO and MBE			
Learn about the functions of management			
Learn about the preparation of budgeting			

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3CO05	Financial Accounting	Understand the nature and concept of partnership account
			Creates a working knowledge of partnership account brand account royalty account
			Learn about the dissolution and insolvency of a firm
	18K3CO06	Business Organisation	Students learn about the role of business organisations
			Learn about different types of business organisation
			Understand the concept of location and LPG and regulation of SEBI
			Introduced to trade unions and Chambers of Commerce
	18K3COAC03	Business Communication	Develop effective business communication skills
			Introduced to the types of business letters
			Learn to draft letters about agents and bank correspondences
			Learn to draft business report
	18K3COEL01	Banking Practices	Practical knowledge of banking
			Learn about the types of bank accounts and procedures
Learn about the modern services of banking and their uses			
Learn about negotiating matters like bill and cheque			
18K3SSCO1	Advanced Accounting Techniques	Students hone varied accounting skills	
		Learn about pay roll accounting and stores accounting	
		Learn about sales accounting and accounts receivable balances	
		Learn about current assets accounting and fixed asset accounting	

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4CO07	Cost Accounting	Learn the definition of Cost
			Learn about the principles of cost accounting
			Learn to prepare cost statement
			Learn to analyse cost
	18K4CO08	Marketing	Introduced to the concept of marketing
			Know about the pricing strategy
			Learn about the nuances of promotion strategy
			Learn about the consumers, their psychology and behaviour
	18K4COAC04	Company Law	Know about the provisions of Company Act
			Learn the litigations related to Companies
			Conceptual learning of shares and debentures
			Know the legal provisions of Company Act
	18K4COEL02	General Commercial Knowledge	Introduced to the varied types of business
			Learn about the different types of business communication
			Introduced to the varied levels of management
			Learn about business activity and etiquette
18K4SSCO2	Statutory Compliance in Taxation	Introduced to the concept of taxation	
		Know about the export and import procedures	
		Understand the working of small scale industries	
		Gain practical knowledge of the procedures of taxation	

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5CO09	Corporate Accounting	Learn about company accounts
			Learn about the procedural issues of shares and debentures
			Learn to prepare the accounts for companies
			Understand the procedures of accounting for banking and insurance companies
	18K5CO010	Management Accounting	Analyse and interpret financial statement
			Learn to prepare varied financial statements
			Understand marginal costing and prepare budgets
			Apply accounting techniques for management decisions
	18K5CO11P	Computer Applications in Business Practices- Practicals	Understand the usage of computer in business
			Learn to prepare edit and format word documents
			Learn to prepare, format and edit excel worksheet
			Generate various accounting reports using Tally
	18K5COELC01	Basics of E- Commerce	Learn to differentiate between traditional commerce and e-commerce
			Learn the B2B concept and trade cycle
			Learn the application of e commerce
Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6CO12	Income Tax Law and Practices	Introduced to the basic concepts of direct tax
			Learn to compute income from salary
			Learn to compute income from home property
			Learn to compute income from capital gain and other sources

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6CO13	Personnel Management	Introduced to the concept of personnel management
			Differentiate between personnel management, human resource management and human resource development
			Students learn to prepare manpower planning
			Students learn to face interviews with confidence
	18K6CO14	Financial Management	Introduction to financial decision making processes
			Learn about the value of money as a tool for making financial decisions
			Apply leverages as a tool for financial decisions
			Introduced to the concept of WC and its role in financial management
	18K6CO15	Banking Theory Law and Practice	Introduced to the concept of banking as a concept in business
			Understand various rates that influence the credit quantum of an organism
			To inculcate independent handling of financial transactions
			Learn to use mobile and internet banking
	18K6COELC02	Entrepreneurial Development	Understand the role of entrepreneurs in economic development
			Understand the problems encountered in becoming an entrepreneur
			Understand the role of entrepreneurship as a way towards personal development.
Know about the support extended by the central and state government to budding entrepreneurs			
18K6COELC03	Financial Market and Services	Introduced to the financial system of India	
		To acquaint the students with the financial market and services available in India	

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF COMMERCE – M. COM

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1CO01	Project Management	Learn the definition of what a project is ?
			Learn the guidelines to prepare a project .
			Learn the procedural factors involved in the collection of data from primary and secondary sources
			Learn about the various project appraisal methods
	18KP1CO02	Quantitative Techniques	Gain knowledge about hypothesis testing
			Learn about Typel I and Type II error.
			Learn about the various tools for testing hypothesis
			Under quantitative techniques
	18KP1CO03	Strategic Management	Introduction to strategic management
			Learn to prepare the vision, mission of an organisation
			Learn about the strategies of survival in an organisation
	18KP1CO04	International Business Environment	Introduced to the environ of international business
			Access to various international economic institutions
Analysis of globalisation from an Indian perspective			
Analysis of the MNC and FDI from Indian perspective			
18KP1COELC01	Managerial Economics	Students learn to use economic tools	
		Understand about production function as a resource of an organisation	
		To understand about business cycle for the betterment of an organisation	

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2CO05	Advanced Corporate Accounting	Students learn the features of shares and debentures
			Given an exposure to company final accounts
			Learn about internal reconstruction
	18KP2CO06	Business Finance	Understand the role of finance in an organisation
			Understand the different types of markets institutions and individuals
			Understand the types of risk factors
	18KP2CO07	Customer Relationship Management	Understand the role of customer in business organisation
			Learn about customer service with in the global market place.
			Students hone effective communication skills
			Learn about the role of business ethics
	18KP2CO08	Corporate Law	Study the evolution of company law in India
			Learn the formation of companies
	18KP2COELC02	Management Information System	Role of information in business system
			Learn about computer hardware and software platforms
18KP2SSCO1	Research Practices	To formulate research problems	
		Learn to design a questionnaire	

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3CO09	Research Methodology	Introduction to methods in research
			Learn about the types of sampling
			Develop a comprehensive research methodology for a research question
			Learn to decipher and differentiate appropriate research designs and methods
	18KP3CO10	Production and Materials Management	Learn the importance of Material Management
			Learn the basics of the production of goods
			Know about issues pertaining to management like stores, receipt, traffic and transportation
			Know about warehousing and physical distribution
	18KP3CO11P	Accounting Software-Practicals	Introduced to accounting software
			Learn practical accounting skills
			Learn the use of accounting software to record and report business transactions
			Analysis of financial data through critical thinking skills
	18KP3COELC03	Services Marketing	Introduced to the concept of services
			Understand the mix strategies and trends of service marketing
			Understand the role of quality in services
			Understand the role of physical evidence, people and service process
	18KP3CO3LC04	Total Quality Management	Introduced to quality management
			Learn about the techniques of quality management
			Know about the quality tools used in management
	18KP3SSCO2	Competitive Skills	Develop cognitive skills to take up competitive examinations
Quantitative and numerical			

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4CO12	Security Analysis and Portfolio Management	Introduction to security analysis
			To create an awareness about risk and return of different investments
			Introduce the evolution of securities and derivatives
			Understand the investment decisions and portfolio performance
	18KP4CO13	Export Management	Identify major product decisions that are relevant for export matters
			Know about procedures involved in export
			Learn about the formalities to start an export business
			Learn about the various incentives of exporters
	18KP4CO14	Human Resource Management	Introduction to human resource management
			Introduction to placement and training
			Know about performance appraisal methods
			Know about different compensation policies
	18KP4COELC05	Marketing Management	Learn about marketing and its functions
			Learn about the behaviour of consumers
			Introduction to pricing policies
			Introduction to the concept of sales forecast
	18KP4CO15PW	Project	Learn to formulate a research problems
			Understand research designs
			To determine data sources
			Learn to design a questionnaire

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF COMMERCE – M. PHIL

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KM1CO1	Research Methodology	Understand sampling and its types
			Describe research process and types of scales
			Describe hypothesis testing
			To practice correlation and regression
	18KM1CO2	Statistical Analysis For Business Research	Learn the techniques to analyse business data
			Describe data analysis
			Learn to interpret business data
			Present report findings and give suggestions to business
	18KM1CO3	Advanced Functional Management (Theory only)	Introduced to functional management
			Identify the cause of stress in managerial life
			Identify managerial activities that contribute to managerial effectiveness
	18KM1CO4	Teaching and Learning Skills (Common Paper)	Learn the contextual application of knowledge and skills
			Identify a range of the works of art and artists.
Learn to assess and evaluate			
Know to evaluate and defend their response.			
II	Dissertation & Viva Voce	Understanding of various sampling techniques used for data collections	
		Describe data analysis	
		Learn to communicate the research results and follow ups	

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN (A)
THANJAVUR -7
COURSE OUTCOME FOR THE SLLABUS 2018 ONWARDS
DEPARTMENT OF BBA

SEMESTER	SUBECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
I	18K1BB01	Principles Of Management	Introduction to the evolution of Management and its affect on the managers
			Enable the students to know the functions of Management
			Insight into decision making process.
			Enables the student to learn how to delegate the task effectively
	18K1BB02	Marketing Management	Introduction to the basics of Marketing concepts
			To make known the factors influencing buyer behaviour
			Introduction to the concepts of segmentation and targeting
			Introduction to the techniques for making pricing decisions
	18K1BBBB1	Managerial Skills	To assist the students to know their strength and weakness through SWOT Analysis
			To enable the students to identify the ways to improve relationships
			To foster an understanding of Lateral thinking
			Introduction to the techniques for conflict resolution

SEMESTER	SUBECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
II	18K2BB03	Human Resource Management	Introduction to the understanding of recruitment and selection
			To learn the effective application of human resources theory
			Introduction to the performance evaluation method
			Introduction to the grievance handling procedure
	18K2BB04	Business Law	Introduction to Indian Legal system on business
			Students learn the knowledge of legal environment in which she has to operate
			Students are acquainted with legal aspects of various legislations
			Students will the prerequisites of doing a partnership business
	18K2BB1S1	Statistics And Management	Students learn to apply statistics in decision making
			Introduction to basic statistical skills needed for business analysis
			To develop the ability to interpret and analyse data in order to make business decisions
			Introduction to basic mathematics needed for business analysis.

SEMESTER	SUBJECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
III	18K3BB05	Financial & Management Accounting	To develop an understanding of Accounting Principles
			Interpretation of financial statements
			To develop an understanding of accounting information to make economic decisions
			To understand the role of accounting in modern business
	18K3BB06	Managerial Economics	Introduction to economic theory.
			To Understand the concepts of demand
			Students learn to analyse the different market structure
			To understand the different techniques of demand forecasting
	18K3BBBB2	Advertising And Sales Promotion	Students learn the basic concepts of advertising and sales promotion
			Students examine the relationship between advertising and product life cycle
			Students learn the methods of sales promotion
			To understand the concepts of pull and push strategy
	18K3BBELO1	An Introduction To Principles Of Management	Introduction to the contribution of experts to management thought
			Analysis of the problems in decision making
			Students learn how to delegate a work
			Students gain an understanding of Organizational structure
18K3SSBB1	English And Logical Reasoning	Students learn how to analyse a business situation	
		Students develop the skill of reading comprehension	
		The importance of reasoning skill is underscored.	
		Students learn to compete for competitive exams	
IV	18K4BB07	RETAIL MANAGEMENT	Students learnt to identify and understands the concepts in retailing
			To develop an understanding of the type of retailers and retail formats
			Students learn to analyse the steps and problems in site selection
			Introduction to the importance of branding in retail management.

SEMESTER	SUBJECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
	18K4BB08	Organizational Behaviour	Students develop a basic understanding of individual behaviour
			Exploration of the theories and issues in motivation
			Students learn to analyse the behaviour of individuals in an organisation
			To develop an understanding of the concept of power and authority
	18K4BBABB3	Company Law	Introduction to the basic concepts of Business law
			Introduction to the relation between law and business.
			Introduction to Memorandum of Association and Articles of Association
			CO4 – Identify the application of prospectus and concepts of share
	18K4BBELO2	An Introduction To Organizational Behaviour	To foster an understanding of the factors that influence individual behaviour
			Students learn to examine the steps to improve morale in organization
			Introduction to the theories of motivation
			Students imbibe the qualities of effective leadership
18K4SSBB2	Quantitative Aptitude	Students learn to prepare for competitive exams	
		Introduction to time related problems	
		Introduction to the concepts of divisibility and partnership related problems	
		Students learn to interpret data	
V	18K5BB09	Research Methodology	Students learn to define a problem
			Students learn to identify a research problem
			Students learn to develop a sample design
			Students understand and develops a research proposal or plan.
	18K5BB10	Retail Management Ii	Students understand and applies consumer behaviour in retailing
			Students learn to identify the problems in retail selection process
			Students analyses the key areas in merchandise management
			Students learn to identify the unfair trade practices and understands the business ethics

SEMESTER	SUBJECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
	18K5BB011	International Business Management	Students identifies the complexity in International business
			Students analyze the International market entry strategies
			Introduction to International pricing methods and terms
			Students learn about the actors to finalize a joint venture agreement
	18K5BBELBB1	Entrepreneurial Development	Introduction to the world of business
			Students learn to identify the problems faced by women entrepreneurs and how to overcome it
			Students learn the preparation of a business plan
			Students learn to analyse and formulate a business plan
VI	18K6BB12	Retail Marketing & Sales Promotion	Students learn to understand the factors influencing retail planning
			Students learn to identify the problems in supply chain
			Introduction to the strategies in retailing
			Students learn about the method to proceed with complaints management
VI	18K6BB13	Production Management	Introduction to the theories of production
			Introduction to the problems of managing production
			To develop an understanding of the process of New product development
			Students learn how to select a plant location and plant layout
V	18K6BB14	Business Communication	Introduction to the concepts of media in communication
			Analysis of the barriers to listening and the tips for effective listening
			Students learn to write business letters and application letters
			Students learn the nuances of conducting meeting

SEMESTER	SUBJECT CODE	TITLE OF THE PAPER	COURSE OUTCOME
	18K6BB15	Project	To develop an understanding of the link between various departments of an organization
			Students learn to understand the real time business
			Students learn the application of SWOT in business
			Students learn about the process of how production is carried out in a firm
	18K6BBELBB2	Computer Literacy For Managers	To develop an understanding of the
			Understands the basics of computer
			Students learn how to work in Ms Word
			Students understand the application of EXCEL in business
			Students learn how to prepare a business power point presentation
	18K6BBELBB3	Financial Services	Students understand the concept of financial services
			Students learn the benefits mutual funds
			Students learn to analyse the concept of Hire purchase
			Introduction to the steps in leasing transaction

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR-
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS

DEPARTMENT OF ZOOLOGY- B.SC ZOOLOGY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1ZO1	Invertebrata	Introduction to the basics of animal kingdom
			Introduction to the classification of animals
			Students learn to understand the relationship of the organs and its functions
			Students learn about the diseases caused by the invertebrates
II	18K2ZO3	Chordata	I Introduction to the evolution of Chordates
			Students learn about the Parental care and Biological significances.
			Students learn to identify pPoisonous and non poisonous species of snake.
			Students understand birds migration and dentition in mammals.
III	18K3ZO4	Cell And Molecular Biology	Students learn about the differentiation of primitive cell and developed cell
			Introduction to cell organelles
			Introduction to cell division
			Students understand the importance of DNA as genetic material and synthesis of proteins
	18K3ZO5	Genetics And Evolution	Introduction to the Mendelian Principles
			Students learn to study the family tree based on hereditary diseases
			Students acquire knowledge about gene transfer and sudden changes occurring in the genes
			Students gain knowledge about the origin of life and evolutionary theories
III	18K3SSZ1	Economic Entomology (Self Study)	Introduction to the lifecycle of insects
			Students understand the importance of insects in Agriculture and Pest management.
			Students understand the interrelationship between insects and Public health
			Students learn about the economic importance of insects.

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3ZELZO1	Poultry Science	Introduction to the types of Poultry and their economic importance
			Introduction to the rearing of the desirable species
			Students learn about the diseases of poultry
			Students learn how to market and grade poultry products
IV	18K4Z07	Biological Techniques	Students learn about different types of microscopes
			Students learn about the preservation methods of living cells and organisms
			Students learn about the separation of cellular and molecular components
			Students understand the principle and applications of analytical instruments
IV	18K4ZELZO2	Vermiculture	Introduction to the characteristics of indigenous and exogenous species of earth worm.
			Introduction to Vermiculture
			Students learn about the Steps of vermicompost
			Students learn about the factors that affect vermicompost
IV	18K4SSZ2	Medical Zoology	Introduction to the history of medical zoology.
			Introduction to the lifecycle of parasites
			Introduction to the life cycle of vectors
			Introduction to clinical diagnosis
V	18K5Z08	Animal Physiology And Biochemistry	Students understand the concept of Nutrition and Respiration
			Students learn to compare the types of circulation and metabolic waste products
			Introduction to the concept of nerve and muscle Physiology
			Introduction to the structure and properties of Biological molecules

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5Z09	Developmental Biology	Introduction to the theories of development
			Introduction to the process of Gametogenesis
			Students learn about the developmental process of various organs.
			Introduction to the concept of nuclear transplantation
V	18K5ZELZ1	Microbiology	Introduction to the concept of microbes
			Introduction to the culturing of microbes
			Students learn about microbial metabolism and generation of ATP
			Students study the interaction of microbes
VI	18K6Z11	Immunology	Introduction to Immunology
			Introduction to cells of immune system
			Students learn to differentiate the antigen and antibody
			Students learn about the concept of autoimmunity
VI	18K6Z12	Environmental Biology And Animal behaviour	Students understand the concept of the interaction between the animal and their habitat.
			Introduction to biogeochemical cycle and characteristics of the community.
			Students learn learning behavior
			Students learn about the concept of reproductive behaviour.
VI	18K6ZELZ2	Biotechnology	Introduction to the concept of genetic Engineering.
			Students learn blotting techniques.
			Introduction to the concept of enzyme technology.
			Introduction to the principle of industrial and Agricultural biotechnology.
VI	18K6ZELZ3	Sericulture	Introduction to the milestones in Sericulture and status in India.
			Students learn about the process of mulberry cultivation.
			Introduction to the life cycle of silk worm.
			Introduction to sericulture.

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS

DEPARTMENT OF ZOOLOGY- M.SC ZOOLOGY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1Z01	Functional Morphology and Palaeontology Of Invertebrates	Introduction to the concept of binominal nomenclature
			Introduction to various physiological activities.
			Students learn about minor phyla.
			Introduction to invertebrate fossils.
I	18KP1Z02	Functional Morphology and Palaeontology Of Chordata	Introduction to the conceptual origin of Chordate origin.
			Students learn about the evolutionary significance.
			Introduction to ornithology.
			Introduction to a comparative study of various organ system.
I	18KP1Z03	Cytology And Genitics	Introduction to cellular components.
			Introduction to the concept of giant chromosome.
			Introduction to gene and its composition.
			Introduction to population genetics.
I	18KP1ZELZ1	Avian Biology	Introduction to the history of Avifauna.
			Introduction to Birds of biological importance.
			Students learn about the role of birds in Agriculture and Horticulture.
			Students learn to understand the concept of migratory birds.
II	18KP2Z06	Animal Physiology	Introduction to metabolic pathways.
			Introduction to the concept of Circulation and Excretion
			Introduction to photo biological processes
			Introduction to Reproductive and endocrine system of animals

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2Z07	Microbiology	Knowledge about the history of microbiology.
			Understand the concept of sterilization.
			Comprehend the knowledge about biofertilizer.
			Perceive information about the disease diagnosis.
II	18KP2ZELZ2	Apiculture	Derive knowledge about the history of apiculture.
			Interpret the information about bees and bee colony.
			Learn about the enemies of bee.
			Extrapolate the information of economics of apiculture.
II	18KP2SSL1	Nanotechnology	Learn about nanomaterials.
			Learn about the properties of nanomaterials.
			Know about the characterization of nanoparticles.
			Assimilate the applications of nanomaterials.
III	18KP3Z09	Biotechnology And Bioinformatics	Learn about biotechnology.
			Cognize the blotting techniques.
			Infer knowledge about animal tissue culture.
			Derive knowledge about bioinformatics tools.
III	18KP3Z10	Developmental Biology And Immunology	Comprehend the basic knowledge about development.
			Learn about organogenesis and human welfare.
			Learn about histocompatibility.
			Learn about immunotechniques.
III	18KP3ZELZ3	Aquaculture	Understand the history of aquaculture.
			Learn about pond construction and pond management.
			Learn about cultivable species of fishes.
			Learn about disease control and economics of Aquaculture.

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3ZELZ4	Public Health And Hygiene	Learn about public health and hygiene
			Understand environment and health.
			Learn about various diseases.
			Introduction to health education.
III	18KP3SSZ2	Environmental Toxicology	Learn to identify the types of toxic substances.
			Learn to identify and interpret toxicants in the Environment.
			Learn about environmental diseases.
			Introduction to environmental health and Risk assessment..
IV	18KP4Z12	Environmental Management	Learn about Environmental Education.
			Learn about the derivative knowledge of MAB.
			Introduction to the measures of biodiversity.
			Introduction to the conservation strategies and wild life conservation projects.
IV	18KP4Z13	Research Methodology And Biostatistics	Introduction to the t selection of research problem.
			Introduction to micro technique.
			Introduction to analytical techniques.
			Introduction to statistical analysis.
IV	18KP4ZELZ5	Clinical Laboratory Technology	Introduction to clinical lab.
			Introduction to haematology.
			Introduction to disease diagnosis.
			Know the idea prenatal diagnosis.

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF BOTANY B.SC BOTANY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1B01	Algae, Fungi and Lichens	Introduction to the classification and structure of algae
			To learn about classification and structure of fungi and Lichens
			Learn about the reproductive importance of fungi and lichens
			Introduction to the life cycle and economic importance of algae
I	18K1ZAB1	Allied Botany: Thallophytes, Bryophytes, Pteridophytes and Gymnosperms	Introduction to the classification and structure of algae and fungi
			Introduction to the structure of Bryophytes
			Introduction to the Bryophytes and Pteridophytes
			Introduction to Gymnosperms
II	18K2B03	Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	To learn about classification, general characters, structure, internal structures, life cycle and economic importance of Bryophytes, Pteridophytes and Gymnosperms
			To study the methods of fossilization and fossil plants
II	18K2ZAB3	Allied Botany: Taxonomy, Anatomy, Embryology, Horticulture and Ecology	To identify all the kinds of plants with their names, distributions, habit characteristics & affinities
			Students understand complete details about fertilization, structure and development of embryo, types of endosperms
			To acquaint the student with the broad field of horticulture including greenhouse and nursery crops
			To understand the interactions of organisms & their environments and the consequences of these interactions for population, community and ecosystem dynamics
III	18K3B04	Anatomy and Embryology	To learn about internal features of stem (normal and anomalous) root and leaf (dicot and monocot).
			To know about fertilization and their significance
			To study the structure and development of dicot and monocot Embryo

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3BEL01	Medicinal Botany	To know about history and relevance of herbal drugs in Indian systems of medicine
			To learn the macroscopic and microscopic characters, chemical constituents, therapeutical and pharmaceutical uses of medicinal plants.
IV	18K4B06	General Microbiology and Plant Pathology	To learn about classification, characteristics, ultrastructure of prokaryotic microbes.
			To know about organisms and causal factors responsible plant diseases
IV	18K4BEL02	Biofertilizer and Edible Mushroom Technology	To learn about classification, characteristics, ultrastructure of prokaryotic microbes
			To know about organisms and causal factors responsible for plant diseases
			To know the knowledge and skills of edible & poisonous mushrooms which allow them to establish a mushroom cultivation
V	18K5B07	Morphology, Taxonomy and Economic Botany	Students will acquire knowledge about the morphology of plants
			To identify all the kinds of plants with their names, distributions, habit characteristics & affinities
			To give an accumulated information & scientific knowledge of the plants resources
V	18K5BELB1	Cytogenetics and Molecular Biology	Students will recognize plant responses to changing environment conditions
			To acquaint the student with the broad field of horticulture including greenhouse and nursery crops, ornamental horticulture
			To know the varieties, yield, quality, disease resistance, drought frost tolerance and important characteristics of crops

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6B10	Plant Physiology	To learn the structure, function of plants and their metabolic activities.
			To know about the mineral nutrition for plant growth
			To understand the process of photosynthesis and respiration
			To learn about photobiology
VI	18K6B11	Biophysics and Biochemistry	An interdisciplinary science that applies the approaches and methods traditionally uses in physics to study biological phenomena
			Understanding of fundamentals, biochemical principles such as the structure, functions of biomolecules, metabolic pathways and the regulation of biological and biochemical processes.
VI	18K6B12	Plant Ecology and Phytogeography	To understand the distribution and abundance of living things in the environment
			To understand the interactions of organisms & their environments and the consequences of these interactions for population, community and ecosystem dynamics.
			To learn about endemism and distributional ranges of species
VI	18K6BELB2	Biotechnology – Concepts and Techniques	Students will gain and apply knowledge of science of biotechnology and engineering concepts to solve the problems rebooted to field of biotechnology
			Introduction to biological knowledge
VI	18K6BELB3	Bioresources and Biostatistics	To understand renewable and non-renewable resources
			Students will have knowledge of statistical methods for analysis of biological data

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF BOTANY – M.SC. BOTANY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1B01	Plant Diversity-I (Algae, Fungi and Bryophytes)	Learn about the structure, pigmentation, food reserves and methods of reproduction and life cycle of Algae
			Learn about the structure, pigmentation, food reserves and of reproduction of Algae
			Know about structure, life history of major groups and economic importance of Bryophytes
I	18KP1B02	Plant Diversity-II (Pteridophytes, Gymnosperms and Paleobotany)	To learn about classification, general characters, structure, internal structures, life cycle and economic importance of Bryophytes, Pteridophytes and Gymnosperms
			To study the methods of fossilization and fossil plants
I	18KP1B03	Analytical Techniques in Plant Sciences	Gain skill on working principles of various instruments
			Learn the techniques of electrophoresis and chromatography
I	18KP1BEL B1	Biofertilizer and Mushroom Technology	To introduce the application of biofertilizer
			To create self employment opportunities
			To know the knowledge and skills of edible & poisonous mushrooms which allow them to establish a mushroom cultivation
II	18KP2B05	Anatomy, Embryology and Microtechniques	To learn about internal features of stem (normal and anomalous) root and leaf (dicot and monocot).
			To know about fertilization and their significance
			To study the structure and development of dicot and monocot Embryo
			Gain knowledge on fixation, dehydration, embedding, hand sectioning, microtome sectioning

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2B06	Genetics and Molecular Biology	Learn about Mendelian principles, blood grouping, linkage, crossing over, mutation and polyploidy
			To enhance the knowledge about central dogma of molecular biology, bio molecules, cell signalling, cell cycle and cell line protein, molecular cloning, macromolecule blotting, probing etc
II	18KP2B07	Plant Physiology and Biochemistry	To learn the structure, function of plants and their metabolic activities
			Understanding of fundamentals, biochemical principles such as the structure, functions of biomolecules, metabolic pathways and the regulation of biological and biochemical processes
II	18KP2BELB2	Herbal Science	Students will have the opportunity to explore the uses of plants as medicine, ranging from traditional indigenous approaches for treating ailments
			Students learn about the biology of medicinal plants and gain insight as to what makes them useful in treating everything from common cold to cancer
III	18KP3B09	Plant systematic and Economic Botany	To identify all kinds of plants, distribution, habit characteristics and affinities
			Naming of plants according to the International Code of Nomenclature
			Documentation which includes the preservation of living or fossil flora via herbarium
			To give an accumulated information & scientific knowledge of the plants resources
III	18KP3B10	Horticulture and Ecology	Students recognize plant responses to changing environment conditions
			To acquaint the student with the broad field of horticulture including greenhouse and nursery crops, ornamental horticulture
			To understand the distribution and abundance of living things in the environment
			To understand the interactions of organisms & their environments and the consequences of these interactions for population, community and ecosystem dynamics

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3BELB3	Pharmacognosy	To learn the study of crude drugs
			To know the uses of various naturally occurring drugs, its history, sources, distribution, method of cultivation, active constituents, medicinal uses, identification and preservation of drugs, substituent and adulterants.
III	18KP3BELB4	Food Technology	To learn the production process which makes foods
			To know the process of food preservation
IV	18KP4B12	Microbiology and Plant Pathology	To learn about classification, characteristics, ultrastructure of prokaryotic microbes
			To know about organisms and causal factors responsible for plant diseases
			To learn about parasitism and host-parasite interactions
IV	18KP4B13	Biotechnology and Bioinformatics	Students gain and apply knowledge of science of biotechnology and engineering concepts to solve the problems rebooted to field of biotechnology
			Broad range of biological knowledge
			Application of laboratory skills
			Students will be able to predict the secondary and tertiary structures of protein sequences
IV	18KP3BELB5	Research Methodology and Biostatistics	It is the process used to collect information and data for the purpose of research
			Students learn about research, surveys & other research techniques, paper publications
			. Students learn about statistical methods for analysis of biological data

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF BOTANY- M.PHIL

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KM1BT1	Research Methodology	It is the process used to collect information and data for the purpose of research
			Students learn about research, surveys & other research techniques, paper publications etc
I	18KM1BT2	Advances in Botany	To develop an understanding of plant growth and function under challenging environmental conditions
			Application of the knowledge will allow development of plants with enhanced tolerance to environmental stresses and help to establish sustainable agriculture systems in arid regions of the world.
I	18KM1BT3	Research Trends in Plant Science	Students learn about transgenic plants, production of secondary metabolites
			To learn about industrial botany, genetic recombination and gene transfer methods in plant cells
I	18KM1BT4	Teaching and Learning Skills	To acquire the programme specification at the level of award like the tripos, M.Phil. or at a major subdivisions

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF PHYSICS- B.SC PHYSICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1PO1	Properties of matter	To understand the properties of materials
			To study the elastic behavior of beams and pendulums
			To understand the surface tension and viscosity of fluids
			To study the basic properties of sound waves and ultrasonics
II	18K2PO2P	Physics Practical –I	To understand the elastic behavior of materials
			To understand the working of optical lenses
			To understand the heating behavior of elements
			To understand the laws of transverse vibrations in strings
II	18K2PO3	Mechanics and Relativity	To know about dynamics and gravitation
			To study the behavior of rigid body dynamics
			To analyse the performance of hydrostatic and hydrodynamics
			To gain knowledge in theory of relativity
III	18K3PO4	Optics and Laser Physics	To understands the various theories of light
			To understand the properties of light like reflection, refraction etc
			To understand the resolving power of different optical instruments
			To gain knowledge of applications of light in various fields
IV	18K4PO5P	Physics Practical –II	To study the diode characteristics
			To study the wavelength of light
			To understand the specific heat capacity
			To learn to calibrate ammeter and voltmeter

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K4PO6	Thermal and Statistical physics	To-gain knowledge in kinetic theory of gases
			To understand the nature of thermodynamic properties like enthalpy, entropy, etc.
			To understand the laws in thermodynamics
			To understand the statistical method to solve practical problems
V	18K5PO7	Electricity and Magnetism	To gain knowledge about the basic concepts of electric and magnetic fields
			To analyse the chemical and heating effect of current
			To understand the faradays law of induction
			To gain knowledge on nature of magnetic materials
V	18K5PO8	Analog Electronics	To understand the basics of diode
			To analyse the characteristic of transistors
			To study the working of amplifiers and oscillators
			To understand the application of amp and IC's
V	18K5PO9	Wave mechanics and nuclear physics	To understand the wave particle duality and postulates of quantum theory
			To learn the application of Schrodinger wave equation
			To understand the basics of nucleus
			Students learn about fission and fusion and nuclear power energy.
V	18K5PELP1	Numerical Methods	To understand the basic elements of numerical methods with application
			Students learn to find a stable algorithm for solving mathematical problems
			To create, analyze and implements algorithms for numerical solutions
			Introduction to differential and integral equations

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6P10P	Physics Practical – III	Introduction to the optical properties of prism
			To know and understand the behavior of thermocouple
			Introduction to self inductance and mutual inductance
			To know about the behavior of magnets
VI	18K6P11P	Physics Practical – IV	To understand the logic functions
			To understand the performance of microprocessor
			To understand number systems and codes
			To understand oscillators and pumps
VI	18K6P12	Microprocessor and Programming in C	To understand the basic concepts of operators and expressions
			To analyse the relationships between various statements
			To study the different types of arrays, structures.
			To write programs for solving problems
VI	18K6P13	Digital Electronics	To gain knowledge on number systems
			To gain knowledge on logic circuits
			Introduction to Boolean algebra and k-maps
			To learn about microprocessor
VI	18K6PELP2	Atomic and Solid state physics	To learn about the basic concepts of force between atoms and bonding
			To understand the behaviour of conductors and insulators
			To understand the properties of dielectric materials
			To study the crystal system

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6PELP3	Advanced Physics	Introduction to Solar energy applications
			To understand the renewable energy sources
			To gain knowledge on thin films
			To study the properties of nano materials.

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF PHYSICS- M.SC PHYSICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1PO1	Mathematical Physics	To understands the fundamental principles of physics
			To understand mathematics to solve applied problems
			To understand matrices group theory and tensor
			To solve non-routine physical problems.
I	18KP1PO2	Classical Dynamics and Relativity	To understand the mechanical concepts of system of particles
			To understand the rotational motion of rigid bodies
			To understands the Lagrangian and Hamiltonian formalism
			To understands special and general theory of relativity
I	18KP1PO3	Statistical Physics	To gain knowledge on microscopic properties of system
			To correlate classical mechanics with thermodynamics
			To understands the different statistics (FD,BE,MB)
			To understands canonical ensembles
I	18KP1PO4P	Practical I	To understand the elasticity of materials
			To understand the electric and magnetic fields
			To understand the use of spectrometer and spherometer
I	18KP1PELP1	Analog and digital electronics	To understand the basics of diode, transistors amplifiers
			To analyse the application of amp and IC's
			To gain knowledge on sequential logic circuits
			To gain knowledge on microprocessor and microcontrollers

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2PO5	Electromagnetic theory	To gain knowledge of mathematical concept of grad, div, curl
			To learn about electric field lines
			To learn about magnetic field characteristics
			To know on transmission lines
II	18KP2PO6	Quantum Mechanics	To understand the discrete behavior of particle and wave
			To understand exactly solvable systems
			To gain knowledge on scattering theory
			To understand relativistic quantum mechanics
II	18KP2PO7	Solid State Physics	To understand the crystallography
			To understand the behaviour of conductors and insulators
			To understand the properties of dielectric materials
			To understand the superconducting materials
II	18KP2PO8P	Practical II	To understand the elasticity of materials
			To understand the electric and magnetic fields
			To understand the use of spectrometer and spherometer
			To study the working of transistor
II	18KP2PELP2	Numerical Methods	To understand the basic of numerical methods with application
			To find a stable algorithm for solving mathematical problems
			To analyze and implements algorithms for numerical solutions
			To study the solution for differential and integral equations

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2PELP2	Numerical Methods	To understand the basic of numerical methods with application
			To find a stable algorithm for solving mathematical problems
			To analyze and implement algorithms for numerical solutions
			To study the solution for differential and integral equations
II	18KP2SSP1	Laser Physics	To understand the interaction of light with matter
			To understand the principle of laser
			To gain knowledge on different types of laser
			To understand the applications of laser in different fields
III	18KP3PO9	Spectroscopy	Introduction to spectroscopy
			To analyze and interpret the spectroscopic data
			To study the use of spectroscopic techniques with systematic skills
			To gain knowledge on analysis of complex molecules
III	18KP3P10	Nuclear and Particle Physics	To acquire knowledge of basic properties of nucleus
			To understand theoretical background of nuclear energy
			To understands the application of nuclear energy
			To understand the particle physics and classification of particles.
III	18KP3P11P	Practical III	To gains knowledge on o amps circuits
			To understands the behavior of IC and flipflops
			To writes C programs for various numerical problems
			To understands memory circuits and microprocessor

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3PELP3	Communication electronics	To understand the communication systems
			To gain knowledge on microwaves and its applications
			To understands optical fiber communication system
			To understand satellite and cellular communication
III	18KP3PELP4	Microprocessor and microcontroller	To understand the microprocessor architecture
			To gain knowledge on programming using microprocessor
			To understands the microcontrollers and communication
			To gain knowledge on applications of microprocessors
III	18KP3PSSP2	Solar Energy	To understand the structure of sun
			To gain knowledge on various solar collectors
			To study solar cell and its types
			To know the application of solar energy
IV	18KP4P12	Nano Physics	To understands the types of nanomaterial
			Introduction to nanostructures
			To know about the synthesis of nanomaterials
			To learn the applications of nanomaterials
IV	18KP4P13	Thin Film Physics	To gain basic knowledge on thin films
			To study the various deposition techniques
			To gain knowledge of the properties on thin films
			To understand the various applications of thin films

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4P14P	Practical IV	To gain knowledge on o amps circuits
			To understands the behavior of IC and flipflops
			To writes C programs for various numerical problems
			To understands memory circuits and microprocessor
IV	18KP4PELP5	Medical Physics	To understand the method of developing new disease control tools
			Introduction to medical diagnostic imaging
			To understand the ultrasound imaging
			To understand the use of x-ray

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF CHEMISTRY- B.SC CHEMISTRY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1CH01	Inorganic, Organic and Physical chemistry- I	To know the arrangement of elements in the periodic table and the periodic properties
			To understand the geometry and the method of naming organic compounds
			To learn the various methods of preparations of aliphatic hydrocarbons
			To appreciate the basics of gaseous and colloidal states
II	18K2CH02P	Inorganic Qualitative Analysis Chemistry Practical I	To enable the students to develop analytical skill in inorganic qualitative analysis
			To learn and appreciate the various coloured chemical reactions of metal ions.
	18K2CH03	Inorganic, Organic and Physical chemistry- II	To identify the nature of chemical bond in a given inorganic compound
			To know the nature of compounds formed by p-block elements
			To introduce the students to the basics of organic polymers
			To understand the concept of thermodynamics
III	18K3CH04	Inorganic, Organic and Physical chemistry- III	To understand the different kinds of chemical forces in molecules
			To learn the preparation and mechanism of organic halide compounds
			Introduction to the basic principles of quantum chemistry
			To know the relation between colligative properties and molecular weight of solutes
	18K3B/P/ZA CH1	Allied Chemistry-I	Introduction to the basic concepts of chemistry
			To facilitate pursuit of a career in chemistry.

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3CHEL01	Agro Chemistry	Understand the principles and properties of soil
			Importance of agricultural chemistry
			Understand the use chemicals in improvement of agricultural crops
			An exposure to find, analyse and find the suitable method to cultivate and promote agricultural methods
III	18K3SSCH1	Food Chemistry	Introduction to basics of Food Chemistry
			Know the nutritional values of food
			Awareness on the food spoilage and adulteration
			Gain knowledge in food analysis
IV	18K3CH05P	Volumetric Analysis Chemistry Practical II	Enable the students to acquire the quantitative skills in volumetric analysis
			At the end of the course, the students should be able to plan experimental projects and execute them
IV	18K4CH06	Inorganic, Organic and Physical chemistry- IV	Know the nature of compounds formed by halogens and noble gases
			Understand the mechanism of reactions of aromatic hydrocarbons
			Learn the preparation of organic compounds of oxygen based functional groups
			Enable the students to understand the effect of pressure and temperature on phase equilibrium
IV	18K4B/P/ZACH2P	Allied Chemistry II Practical	Enable the students to acquire the quantitative skills in volumetric analysis
			Understand better the concepts of organic analysis
			Appreciate the chemistry of various functionalized organic compounds through analysis

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4B/P/ZACH3	Allied Chemistry III	Introduction to the basic concepts of chemistry
			To enable the students to pursue careers related to chemistry
IV	18K4CHEL02	Hydro Chemistry	Understanding of water quality parameters
			Methods employed for purification of water for industry and home
			Know about pollutants, pollution and toxic effects
			Know about water borne diseases
IV	18K4SSCH2	Dairy Chemistry	Importance of nutritional values of milk
			Know about the composition and processing of milk
			Know about the milk products and its preservation
V	18K5CH07	Inorganic Chemistry- I	Know the occurrence of lanthanides and actinides in nature and their uses
			Understand the basic concept of co-ordination compounds and early theories
			Know the existence of special types of compounds through π -acid ligands
			Know the industrial applications of binary compounds
V	18K5CH08	Organic Chemistry –I	Understand the stereochemistry of optically active compounds
			Understand the physical and chemical properties of carbonyl compounds
			Learn and practice the mechanism of above such reactions
			Learn the basic aspects of heterocyclic compounds

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5CH09	Physical Chemistry-I	Understand the concepts of thermodynamics and apply it to physical and chemical system
			Enable to explain the concepts of reaction mechanism from experimental data
			Relate the rates of reactions with different temperatures
			Understand the photochemical activation and deactivation of molecules
			Develop an attitude of critical thinking
			Learn the basic analytical methods
			Appreciate what is involved in an analysis
VI	18K5CH10P	Gravimetric & Organic Analysis-Practical III	Enable the students to develop analytical skills in organic qualitative analysis and preparative skills in organic preparations
			Enable the students to check the purity of organic compounds by determining the melting or boiling points
			Enable the students to acquire the quantitative skills in gravimetric analysis
			Planning and execution of experimental projects
VI	18K5CH11P	Physical Chemistry Practical IV	Introduction to the principles involved in the conduct of experiments in the laboratory
			Interpretation of experimental data
VI	18K6CH12	Inorganic Chemistry-II	Identify the nature of metallic bond in an inorganic compound
			Know the importance of nuclear reactions in the modern world
			Understand the use of chemicals in improvement of agricultural crops

Semester	Subject Code	Title of the Paper	Course Outcome
			Enumerate the molecular motif of a living cell, structural and functional hierarchy of bio molecules
			Students learn the practice of molecular rearrangement and the reaction mechanisms
			Students learn the basic aspects of natural products
VI	18K6CHE LCH2	Electro Chemistry	Understand the inter conversion of chemical and electrical energy
			Students learn the relationship between thermodynamics with electrochemistry
			Students learn about different types of electrodes
			Students learn to apply the concepts of kinetics, catalysis and photochemistry in different chemical process
VI	18K6CHE LCH3	Molecular Spectroscopy	The course prepares the students to understand the complexity carbon skeletons
			Understand the presence of functional groups and their relative positions
			Understand UV, IR, NMR and Mass spectra of organic molecules

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF CHEMISTRY- M.SC CHEMISTRY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1CH01	Inorganic Chemistry- I	To identify the nature of chemical bond in a given inorganic compounds
			To know the nature of metal – ligands bonding in coordination compounds and quantification of the bonding parameters
			To set research goals in the highly topical areas of research in coordination chemistry
			To equip the students for their career in nuclear industries
I	18KP1CH02	Organic Chemistry -I	To understand the mechanism of a chemical reaction
			To understand the techniques involved in the substitution reaction
			To understand and appreciate the importance of hetero cyclic compounds
			To appreciate the concept of substitution reactions
I	18KP1CH03P	Inorganic Chemistry Practical –I	To improve the skill in quantitative estimation of metal ions by colorimetry
			To improve the skill in qualitative analysis of rare metal ions in different groups
			To know the inter and intra groups precipitation and separation of metal ions
			To identify the methodology to analyse a metal ion in the presence of another metal ion
I	18KP1CH04P	Organic Chemistry Practical –I	To enable the students to develop analytical skill in organic qualitative analysis.
			To develop preparative skills in organic preparation involving single stage
			To enable the students to develop skill in chromatography techniques
			To enable the students to pursue higher studies and go for research
I	18KP1CHELCH1	Green Chemistry	Introduction to Green Chemistry
			Students learn the use of safer reagent and solvents.
			Zero waste and optimized use of resource

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2CH05	Organic Chemistry -II	Learn the synthetic route for simple organic compounds with stereo chemistry
			Students understand and appreciate the concept of stereo chemistry and reaction mechanism
			Learn to apply the knowledge of chemical reactions in organic synthesis
			Know the synthetic route potential of natural products
II	18KP2CH06	Physical Chemistry- I	Understand the physical and mathematical aspects of Quantum Mechanics
			Students learn fundamental mathematics to solve quantum mechanical problems
			Understand and appreciate the quantum mechanical approach to the atomic and molecular structure
			Learn to apply the theories and concept of quantum mechanics for homogeneous and heterogeneous catalysed reactions
II	18KP2CH07P	Inorganic Chemistry Practical –II	To improve the skill in quantitative estimation of metal ions by complexometric titration
			To identify the methodology to quantitatively separate and estimate the mixture of metal ions
			To identify the methodology to estimate a metal ion in the presence of another metal ion
			To improve the skill in synthesis of inorganic compounds
II	18KP2CH08P	Organic Chemistry Practical –II	To enable the students to develop analytical Skill in organic quantitative analysis
			To develop preparative skills in organic preparation involving two stages
			Students learn the analysis of oils
			Understand the techniques involved in the preparation of standard solutions, standardization and calculation in the estimation of compounds
II	18KP2CHELCH2	Industrial Chemistry	Understand the basic concepts and laws of various management concepts.
			To know Managerial skill development.
			Develop the capability to manage human resources in industry
			To understand the attitude and stress limit of an employee.

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2SSCH1	Instrumental methods of Chemical Analysis	Understand the techniques involved in the instrumental analysis
			Understand and appreciate the techniques involved in the instrumental analysis particularly in optical methods and electro analytical methods
			Learn the chromatographic techniques in the separation and identification of components
			Learn the operation of instrumentation techniques and data processing
III	18KP3CH09	Organic Chemistry -III	Know the methods of synthetic strategies and application
			Apply the knowledge of chemical reactions in organic synthesis
			Learn the applications of spectroscopy for the study and structural elucidation of molecules
			Interpret given spectra to elucidate the structures of molecules
III	18KP3CH10	Spectroscopic Methods	Know quantization of energy and the interaction of electromagnetic radiation with matter
			Learn the principle and fundamentals of spectroscopy
			Understand the mathematical foundations of different branches of spectroscopy
			Learn the applications of spectroscopy to study the structure of molecules
III	18KP3CH11P	Physical Chemistry Practical-I	Students acquire analytical (both qualitative and quantitative) and psychomotor skills
			Learn the principle behind the experiments in the laboratory
			Learn to plan and perform experiments and interpret experimental results
III	18KP3CHELCH3	Research Methodology and current trends in Chemistry	Learn the various indexes and abstracts in science and technology
			Learn the applications of spectroscopy for the study and structural elucidation of molecules
			Learn the methods of synthetic strategies and applications
			Introduction to the synthesis, structure and reactions of nanoparticles which are very important for biological body

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3CHELCH4	Medicinal Chemistry	Introduced to the correlation between pharmacology of a disease and its mitigation or cure
			To understand the drug metabolic pathways, adverse effect and therapeutic value of drugs
			To know the structural activity relationship of different class of drugs
			To learn the mechanism pathways of different class of medicinal compounds
III	18KP3SSCH2	Chemistry of Nano Science	Learn the importance of nanoscience in modern scientific community
			Learn the application of some specific nano molecules
			Introduction to the synthesis, structure and reactions of nanoparticles which are very important for biological body
IV	18KP4CH12	Inorganic Chemistry-II	Identify the nature of advances in chemical bonding in inorganic compounds
			Learn the importance of inorganic photo sensitizers for solar energy conversion
			Learn the applications of spectroscopy for the study and structural elucidation of molecules
			Identify complexes suitable for application in medicinal inorganic chemistry.
IV	18KP4CH13	Physical Chemistry-II	Learn the use of chemical kinetics in understanding reaction mechanism
			Learn to apply the theories and concepts related to homogeneous and heterogeneous catalysed reactions
			Understand and appreciate the quantum, approach to the atomic and molecular electronic structure mechanical approach to the atomic and molecular electronic structure
			Learn the concepts of statistical thermodynamics for the study of equilibrium reactions and reaction rates

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4CH14P	Physical Chemistry Practical-II	Analyse and estimate quantitative parameters in potentiometric methods and conductometric methods
			Learn the operation of instruments techniques and data processing
	18KP4CHELCH5	Polymer Chemistry	Introduction to the general reaction course and reaction mechanism for step growth polymerization
			Introduction to the principles of bulk, solution and interface polymerization
			Learn to calculate the degree of polymerization
			Learn the measures to control the molecular weight and the rate of polymerization
	18KP4CH15PW	Project	Introduce the purpose and importance of research for future development and sustenance
			Learn the methodology of writing thesis and journal articles
			Facilitate the e students in pursuing higher studies and go for research.

COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF GEOGRAPHY- B.SC GEOGRAPHY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1G01	Fundamentals of Geomorphology	Introduction to the basic knowledge about the geographical land forms, their origin, basic mechanisms.
			Learn about the internal and external processes acting upon the land forms and their associated features
			Learn the skill to interpret each and every mechanism behind the land forms.
			To compete with the outer world in terms of research and development
I	18K1GAG1	Elements of Cartography - I	Introduction to the importance of maps in Geography
			Learn about their types, coordinate system, symbolization, compilation and generalization
			Develop map making skills among the students
			To provide opportunity to seek for jobs at surveying and other map making agencies
II	18K2G02P	Practical - I Scales and Climatic Diagrams	Students gain practical knowledge about scaling techniques in map making and relief representation
			Learn about the scaling techniques in climatic data representation
			Develop the skills in map interpretation
			Learn to solve many practical problems incurred in understanding the maps their application in various fields
II	18K2G03	Introduction to Oceanography	Introduction to the basics in the nature and importance of oceans in Geography
			Learn about the bottom relief, temperature, salinity, ocean dynamics and ocean deposits
			To inculcate the research aptitude to discover known facts under the oceans
			Develop the skill to interpret the oceanic phenomena in the right way

Semester	Subject Code	Title of the Paper	Course Outcome
II	18K2GAG2P	Allied Practical - Cartographic Techniques	Practical knowledge about map making techniques
			Learn about the application of cartographic knowledge at different levels of map making
			Develop the skill of interpretation of various maps by knowing the symbolization
			To seek job opportunities in mapping agencies and to compete at global level
II	18K2GAG3	Elements of Cartography - II	Introduction to the importance of maps in Geography
			Learn about the types, coordinate system, symbolization, compilation and generalization
			Develop map making skills among the students
			To provide an opportunity to seek for jobs at surveying and other map making agencies
III	18K3G04	Settlement Geography	Learn the importance of settlements in Geographical studies.
			Learn the classification of settlement, their function, site and situation, their characteristics, world pattern and land use models
			Develop the skill of giving suggestions in rural - urban planning and development
			Develop competency at global level
III	18K3GEL01	Geography of Resource Utilization	Understand various types of resources
			Identify the factors affecting resources
			Examine the need for resource conservation
			Learn the importance of non-conventional energy sources
IV	18K4G06P	Socio-Economic Diagrams and Weather Interpretation	Learn the line graphical representation of data.
			Learn to represent quantitative data by different circle diagrams
			Learn to generate isopleth maps for various socioeconomic data
			Learn to interpret different weather signs and symbols

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4G07	Basics of Climatology	Understand various weather elements
			Know the distribution of temperature and pressure
			To examine the role of moisture in weather phenomena
			To study different types of cyclones
IV	18K4GEL02	Basics of Remote Sensing	Understand the growth and development of remote sensing
			Analyze Electro Magnetic Radiation and its interaction
			Knowing various types of platforms and resolutions
			Know the application of remote sensing in various fields
V	18K5G08	Principles of Remote Sensing	Study the development of space programmes in India
			Know various types of remote sensing platforms
			Learn to distinguish between aerial and satellite remote sensing
			Understand various image processing techniques
V	18K5G09	Regional Geography of Tamil Nadu	Understand the physiography of Tamil Nadu
			Analyze primary and secondary economic activities of Tamil Nadu
			Know the distribution of different industries in Tamil Nadu
			Know about the population distribution and road networks in Tamil Nadu
V	18K5GELG1	Geography Of Natural Regions Of The World	Know about the significance of regions in Geography
			Know about the influence of climate on the distribution of natural regions
			Develop the skill on world level information on regions
			To get hands-on experience in using surveying tools

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K6G11P	Interpretation of Geospatial Data	Learn to interpret cartographic Interpretation of toposheets
			To do topographic interpretation of hilly and plain region
			To appreciate marginal information of aerial photos and satellite images
			To compare toposheets, aerial photos and satellite images
V	18K6G12	Regional Geography of India	To have a thorough knowledge about the regional aspects of India
			To throw light on physiography, agriculture, mineral and population resources of India
			To succeed in job oriented competitive examinations
			Learn to give suggestions in planning and development and to manage the susceptible conditions
VI	18K6G13	Resource Utilization	To know about the nature of resources and their utilization
			To study agriculture, mineral and power resources
			To know the influence of transport and trade on resource development
VI	18K6GELG2	Introduction To Population Geography	To know about the importance of population in geographical studies
			To study the distribution, density, composition and migration pattern of population
			To handle the population problems and the management of population resources
			The study of population helps in regional planning and development
VI	18K6GELG3	Geography Of Travel And Tourism	To know about geographical significance of travel and tourism
			To analyze the supporting factors promoting tourism
			To study the role of Tourism Development Corporation in the development of tourism sports in India
			Learn to offer suggestions for the development of National parks and sanctuaries in India

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF GEOGRAPHY- M.SC GEOGRAPHY

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1GO1	Advanced Geomorphology	Know about science of earth system and its process
			Learn to differentiate various factors and internal-external forces
			Introduction to various landforms and its genesis
			Gain an insight over economic significance of landforms
I	18KP1GO2	Principles of Climatology	.Understand the nature of earth's atmosphere and its characteristics
			Ability to correlate temperature and other climatic elements
			Know the global spatial pattern and temporal rhythm of climatic elements
			Know the system of weather forecasting and application of climatology
I	18KP1GO3	Principles of Oceanography	Introduction to hydrosphere and its morphology.
			Physical and chemical characterization of major oceans of the Earth.
			Understanding ecological significance and economic importance of oceans
			Introduction to coastal zone management and research.
I	18KP1GELG1	Advanced Cartography	To understand different types of maps
			To create isopleth maps
			To learn the principles of map design and layout
			Learn to prepare maps using GIS
I	18KP1GO4P	Practical – I -Terrain and Climatic Data Analysis	Acquire skill over thematic mapping of relief and climatic data
			. Skill of representing slope and profile generation using various techniques.
			Learn the technique of drainage morphometry and waterbalance.
			Know the idea of graphical correlations and portray of climatic data

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2G05	Development of Geographical Thought	Know about the historical development of Geographical thought
			Know about the recent trends in the in Geography
			Develop multi dimensional skills in the subject and to promote research skills
			To succeed in Competitive exams
II	18KP2G06	Fundamentals of Geoinformatics	To introduce Geoinformatics
			To equip the students with the modern technological skills
			To compete with the latest technology at global level
			To apply this knowledge for further research and development
II	18KP2G07	Social Geography	To know about the social, political and cultural scenario in Geography
			Introduce the basic concepts in social, political and cultural Geography
			The world level knowledge helps the students to compete at global level
			To succeed at State and Central level competitive examinations
II	18KP2G08P	Map Analysis and Weather Map Interpretation	Learn to interpret topo sheets
			Learn to interpret US sheets
			Learn to interpret weather reports and NATMO maps
			Learn to interpret OS sheets
III	18KP3G09	Research Methods in Geography	Understand what is research and its types
			Know the steps involved in research design
			Learn the various data collecting methods
			Learn to prepare research reports

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3G10	Urban Geography	Study the nature of cities in geographical view
			Study urban morphology, expansion and urban functions in a detailed manner
			Introduction to urban land use models.
			To know and solve urban problems urban renewal and planning
III	18KP3G11P	Geospatial Data Analysis	To have practical knowledge of analyzing the geospatial data
			Learn the interpretation technique of satellite images and integration with GIS
			Learn with latest techniques of GNSS survey and integration with GIS
III	18KP3GELG3	Geography Of India	Introduction to the regional aspects of India
			Introduction to physiography, agriculture, mineral and population resources of India
			Examine the suggestions in planning and development and to manage the susceptible conditions
III	18KP3GELG4	Geography Of Economic Activities	Assess the importance of economic activities in geographical studies
			Explain the economic activities like agriculture, industry, transport and trade
			Learn about measurement of agricultural production and efficiency
			Apply the knowledge of economic activities for planning and development
IV	18KP4G12	Regional Planning	State the importance of geographical knowledge in regional planning
			Describes the regional imbalances in resources
			Depicts the knowledge on the multi-level planning in India
			Analyze the functioning of planning commission at different levels

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4G13	Bio Geography	Introduction to bio-geographical features
			Introduction to the evolution of life, Bio-diversity, and world biomes
			Apply the knowledge gained in environmental conservation and management
IV	18KP4G14P	Statistical Analysis In Geography	Learn to use statistical methods in geography
			Learn statistical techniques in analyzing agricultural, industrial and transport data
			Apply hypothesis testing in analysis
			Apply the statistical knowledge in research and development
IV	18KP4GELG5	Geography of Tourism	Learn the geographical significance of travel and tourism
			Analyze the supporting factors promoting tourism
			Study the role of Tourism Development Corporation in the development of tourism sports in India

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN(A) THANJAVUR- 7
COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF COMPUTER SCIENCE- B.SC COMPUTER SCIENCE

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KICS01	Data Structures and Algorithms	Students learn to apply the concept of Data Structures through ADT including Lists, Stack, Queues.
			Students learn to implement the Linear and Non-Linear Data Structures.
			Students learn to apply the operations of all the type of Data Structures.
			Students learn to understand the concept of designing and Algorithm.
I	18KICS02P:A	Office Automation Lab	Students acquire basic knowledge of computer and its most common software Ms-Office.
			Students learn to construct a document and apply various manipulation techniques.
			Students learn to perform accounting operations in MS-Excel
			Students learn presentation skills in MS-PowerPoint and perform database operations in MS-Access.
I	18K2CS02P:B	C Programming Lab	Students learn to work effectively on C program using operators.
			Students learn the conditional and iterative statements in C.
			Students learn to handle errors during program execution
			Students learn to develop and implement the C programs
II	18K2CS03	Programming in C	Students learn the basic structure of C programming, declaration and usage of variables.
			Students learn the role of design in development of programming problems.
			Students attain ability to work with textual information, character and String.
			Students learn about pointers, memory allocation and file processing

Semester	Subject Code	Title of the Paper	Course Outcome
III	18K3CS04	C++ and Java Programming	Students learn the concept of OOPs
			Students learn to identify classes, objects, members of class and relationship among them needed for a specific problem.
			Students learn to handle the errors using exception handling.
			Students understand the concept of Applet, Threads.
III	18K3CS05P: A	Java Programming La	Students learn to write, debug & document well structured Java Applications.
			Students learn to write program on inheritance, interface and packages.
			Students learn to handle program in API packages and threads.
			Students learn about exception handling mechanism.
III	18K3SSCS1	Quantitative Ability	Students learn to solve the mathematical problems.
			Ability to compete and succeed in examinations
			Students hone the skills to interpret data.
			Students learn about permutations and combinations.
III	18K4CS05P: B	VB.Net LAB	Students learn to design and develop Graphical User Interface
			Students learn to understand and code event-driven procedure.
			Students learn to work effectively on Visual Basic Controls.
			Students learn to access database from VB.Net programs.
IV	18K4CS06	VB.Net	Students learn to understand .Net Framework
			Students learn to operate on Integrated Development Environment(IDE)
			Students learn to create window application programs.
			Students learn to connect to database using ADO.Net

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18K4SSCS2	Reasoning Ability	Students acquire reasoning skills to compete and succeed in competitive examination.
			Students learn to solve the puzzles problem.
			Students learn about logical reasoning.
IV	18K5CS07	Microprocessor Architecture	Students learn Microprocessor 8085 and 8086
			Students learn the interfacing of memory and various addressing modes of 8085
			Students learn the instruction set of 8085
			Students learn to apply microprocessor applications for real world problems.
V	18K5CS08	Digital Design	Students learn to apply number system concepts and conversion in digital design .
			Students learn to construct digital logic and apply it to solve real life problems.
			Students learn to construct K-Map for Boolean expressions.
			Students learn to implement combinational and sequential circuits.
V	18K5CS09P: A	Data Structures using C++ Lab	Students learn to implement operations on stack, Queue and Linked Lists.
			Students learn to perform binary search using C++.
			Students learn to process operations on tree traversal.
			Students learn to perform sorting techniques.
V	18K5CSELC S1:A	Database Systems	Students learn to differentiate database systems from file systems
			Students learn to understands the various models in database
			Students learn to operate SQL Operations
			Students understand the normalization concept.

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K6CS10P	Digital and Microprocessor Lab	Students learn the basic logical operations of Digital Electronics
			Students learn to work on shift registers and counters.
			Students acquire the knowledge of allocating memory
			Students learn to use retrieve data from allocated memory
VI	18K6CS11P	RDBMS Lab	Students learn to create and populate a RDBMS, using SQL.
			Students learn to write queries in SQL to retrieve any type of information from a database.
			Students learn to perform fundamental operations and set operations in SQL.
			Students learn to create view from SQL.
VI	18K6CS12	Data Communications and Networks	Students learn the layers of OSI.
			Students learn the fundamental concept of networking.
			Students learn data transfer schemes
			Students learn inter-connecting networking devices.
VI	18K6CS13PW	Mini Project	Students learn about different software development process.
			Students acquire the ability to plan, analysis, design and implement software project using Programming like JAVA, ASP, PHP, .Net.
			Students become competent to design and implement mini working projects.
			Students learn to apply real life problems in software development projects.
VI	18K6CSELCS 2:A	Software Engineering	Students learn about planning project.
			Students learn to analyze the software project.
			Students understand design and implement software project.
			Students learn about the maintenance of software project.

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF COMPUTER SCIENCE- M.SC COMPUTER SCIENCE

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KPICS01	Advanced Java	Students learn to prepare programs using Remote Method Invocation.
			Students learn programming techniques of Java Beans and Swing.
			Students learn about Java Enterprise Application.
			Students learn to construct Java Servlets and Network Programming.
I	18KPICS02	Open Source Technology	Students learn to implement Interactive web page using HTML, CSS and Java Script.
			Students learn to build application using Perl and MySQL.
			Students learn to recognize Client and Server side Script.
			Students learn to Design web site using PHP Programming.
I	18KPICS03	Operation Research	Students learn to formulate LPP, Transportation problem and assignment problem.
			Students learn the application of OR.
			Students learn the solution to Shortest path problem, game theory and Queuing theory.
			Students learn about the techniques of OR.
I	18KPICS ELCS1:A	Network and Cyber Security	Students identify information security goals.
			Students learn to understand different encryption and decryption techniques.
			Students learn to apply different digital signature algorithms.
			Students learn different cyber security policies and rules.
	18KPICS04P	Programming and Modeling Lab	Students learn to write, debug and document well structured JAVA applications.
			Students learn to create Applet and handle Events based on advanced JAVA concepts.
			Students learn to use programs in java collection API as well as JAVA standard Library.
			Students learn to connect an application with Database.

Semester	Subject Code	Title of the Paper	Course Outcome
	18KP2CS05	Compiler Design	Students learn the rules of compilers in program execution. Students learn about detail program execution using Lexical and Syntax Analysis. Students learn to implement various types of parser. Students learn about code generation and optimization.
II	18KP2CS06	.Net Framework	Students learn about C.Net. Students learn the concept of OOPs. Students learn to work effectively on VB.Net. Students learn to use the tools of ASP.Net.
II	18KP2CS07	Internet of Things	Students learn to separate the IOT hype from the reality. Students learn to evaluate networking technologies for application within IOT projects. Students learn to apply effective techniques to create IOT based projects. Students learn to explore the features of predictive data analytics for IOT application.
II	18KP2SSCS1	Cognitive Ability	Students learn to compete in competitive examinations. Students acquire the cognitive skills to take up competitive Examination. Students hone skills in mathematical and logical reasoning.
II	18KP2CS08P	.Net Programming Lab	Students learn to work on advanced features of VB.Net. Students learn to design a document for GUI applications. Students learn to develop web application in ASP.Net based on user requirements. Students learn to apply general programming structure of C# in developing software solutions.

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2CS ELCS2:A	Grid Computing	Students understand the standards and protocols in Grid Computing
			Students learn to open Grid Services Architecture
			Students learn to explore the concept of resource discovery, application Plug-ins, workflow composition
			Students learn the Grid Middleware System Unicore
III	18KP3CS 09	Cloud Computing	Students learn cloud service and deployment models.
			Students learn importance of virtualization models.
			Students learn to operate different cloud computing service.
			Students learn about the key component of Amazon web services.
III	18KP3CS 10	Soft Computing	Students learn to outline the different process carried out in fuzzy logic, ANN and Genetic Algorithms.
			Students learn the techniques to solve character recognition and pattern classification problem.
			Students learn the concept of meta-cognitive of Soft Computing.
			Students learn to understand Hybrid system for principles of Soft Computing applications
III	18KP3SS CS2	Core Competence	Students learn to improve skills in UGC/CBSE/NTA NET/SET Examinations.
			Students acquire collective knowledge about all computer subjects.
			Students learn to improve knowledge for research work.
III	18KP3CS 11P	RDBMS and PL/SQL Lab	Students learn to create and populate a RDBMS, using SQL.
			Students learn to write queries in SQL to retrieve any type of information from a database.
			Students learn to perform fundamental operations and set operations in SQL.
			Students learn to work effectively on PL/SQL operations.

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3CS ELCS3:A	Image Processing	Students learn to synthesize color IP processing and real world applications.
			Students learn about different Image Enhancement techniques.
			Students learn to understand and review Image Transformations
			Students learn to analyze the algorithm for morphological IP
III	18KP3CS ELCS4:A	Mobile Communications	Students learn to understand digital Cellular Systems such as GSM, GPRS, CDMA 2000, and WAP.
			Students learn to know the various Handoff Strategies.
			Students learn to outline the various Routing Algorithms for Mobile Hosts.
			Students learn to design and develop activity for Android.
III	18KP4CS 12	Embedded System Design	Students learn about the embedded Hardware and Interfacing.
			Students learn about the software development and tools for embedded system.
			Students learn to know the Hardware Design and RTOS for embedded system.
			Students learn to understand the various Registers and Flip-Flops.
IV	18KP4CS 13	Big Data	Students learn to identify main sources of Big Data.
			Students learn to use Hadoop, NoSQL.
			Students learn to apply new algorithm for Clustering and Classification.
			Students learn to implement tasks using reduced paradigm.
IV	18KP4CS 14P	Data Mining Lab	Students learn to implement K-Means clustering.
			Students learn to evaluate apriori algorithm for association rule.
			Students learn to construct decision tree classifier in WEKA.
			Students learn to apply outlier deduction algorithm.

Semester	Subject Code	Title of the Paper	Course Outcome
IV	18KP4CS ELCS5:A	Human-Computer Interaction	Students learn to understand knowledge and linguistics background.
			Students learn about linguistics essentials and grammar as a part of speech parsing.
			Students learn about word Morphology
			Students learn NLP like probability, Bays Theorem.
	18KP4CS 15PW	Project	Students learn about different software development process.
			Students learn to plan, Analysis, Design and implement software project using Programming like JAVA, ASP, PHP, .Net.
			Students learn to design and implement major working projects.
			Students learn to apply real life problems in software development projects.

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF MATHEMATICS-B.SC MATHEMATICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1M01	Basics, Differential Calculus and Trigonometry	Learn to compare and contrast the ideas of continuity and differentiability
			Learn to identify maxima and minima and radius of curvature
			Conceptual understanding of trigonometric functions, techniques,
			Introduction to the basics in trigonometry and calculus
I	18K1M02	Analytical Geometry of 3D and Integral Calculus	Ability to measure the distances between lines, and planes
			Ability to write equations of planes and great circle in the 3-space and to identify lines and planes from their equation
II	18K2M03	Theory of Equations and Linear Algebra	Introduction to Theory of Equations
			Facilitate a better understanding of vector space
II	18K2M04	Vector Analysis and Fourier Series	Introduction to vector differentiation & vector integration
			Learn to solve vector differentiation & integration problems
III	18K3M05	Operations Research	Learn the various techniques of Operations Research
			Learn to solve real life problems in Business and Management
IV	18K4M06	Differential Equations and Transforms	Learn to solve basic application problems described by second order linear differential equations with constant coefficients
			Learn to identify the transforms of derivatives and integrals and a periodic function
IV	18K4M07	Sequence and Series	Learn to identify limit of a wide class of Sequences of real numbers
			Ability to decide the convergence and divergence of series of real numbers
V	18K5M08	Abstract Algebra	Understand the concept of Algebra from the basic set theory and Functions, etc
			Understand the concept of Group theory and Rings
			Gain experience and confidence in proving theorems

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5M09	Real Analysis	Understand the real number system and countable concepts in real number system
			Comprehensive idea about the real number system
			Understand the concepts of Continuity, Differentiation and Riemann Integrals
			To apply the Rolle's theorem concepts
V	18K5M10	Statics	Obtain basic knowledge of equilibrium of a particle
			Develop a working knowledge to handle practical problems
V	18K5MEL M1	Programming in C	Define and manage data structures based on problem subject domain
			Learn to work with textual information, characters and strings
			Learn to work with arrays of complex objects
V	18K5MEL M1S	Probability and Statistics	Learn the importance of probability and statistics in computing and research
			Develop skills in presenting quantitative data using appropriate diagrams, tabulations and summaries
			Use appropriate statistical methods in the analysis of simple datasets
VI	18K6M11	Graph Theory	Identify subgraphs, Hamiltonian and Eulerian graphs
			Solve problems involving vertex and edge connectivity, planarity
			Solve problems involving vertex coloring
			Learn about Model real world problems using graph theory
VI	18K6M12	Complex Analysis	Understand the functions of complex variables, continuity and differentiation of complex variable functions, $C - R$ equations of analytic functions
			Know the elementary transformation concepts in complex variable
			Know about complex Integral functions with Cauchy's Theorem, power series expansions of Taylor's and Laurant's series
			Understand the singularity concepts and residues, solving definite integrals using the residue concepts

Semester	Subject Code	Title of the Paper	Course Outcome
VI	18K6M13	Dynamics	Obtain basic knowledge of the behaviour of objects in motion
			Develop a working knowledge to handle practical problems
VI	18K6MEL M3	Methods in Numerical Analysis	Apply the numerical methods (such as Bisection, False position, Newton-Raphson)) to solve nonlinear equations
			Recognize Iterative methods (Jacobi –Gauss Seidel)
			Apply the Interpolation methods (Newton forward and backward difference interpolation formula- Lagrange interpolation formula) for solving the problems numerically
			Construct numerical methods to solve ordinary differential equations
VI	18K6MEL M3S	Mathematical Logic and Boolean Algebra	To appreciate the basic principles of Boolean algebra, Logic, Set theory
			Learn to construct simple mathematical proofs

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF MATHEMATICS-M.SC MATHEMATICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1M01	Algebra	To combine polynomial by addition or subtraction.
			To solve problems of simple Inequalities
			Interpret basic absolute value expression
			To simplify algebraic expressions, using the commutative, associative and Distributive properties
I	18KP1M02	Real Analysis	Describe fundamental properties of the real numbers that lead to the formal development of real analysis
			Appreciate how abstract ideas and regions methods in mathematical analysis can be applied to important practical problems
			Comprehend regions arguments developing the theory underpinning real analysis
			Demonstrate an understanding of limits and how that are used in sequences, series and differentiation
I	18KP1M03	Ordinary Differential Equations	Ability to predicts the world around us, can describe exponential growth and decay population growth of species or change in investment return over time
			Learn to model the behaviour of complex systems
I	18KP1M04	Graph theory	Identify induced subgraphs, cliques, matchings, covers in graphs
			Solve problems involving vertex and edge connectivity, planarity and crossing numbers
			Solve problems involving vertex and edge coloring
			Model real world problems using graph theory
I	18KP1ME LM1	Differential Geometry	Able to compute quantities of Geometric interest
II	18KP2M05	Complex Analysis	Perform basic algebraic manipulation with complex numbers
			Appreciate the existence of special functions and their use in a range of contexts
			Understand the geometric interpretation of complex numbers
			Compute definite integrals using residue

Semester	Subject Code	Title of the Paper	Course Outcome
II	18KP2M06	Linear Algebra	Use computational techniques and algebraic skills essential for the study of systems of linear equations, matrix algebra, vector spaces, eigenvalues and eigenvectors, orthogonality and diagonalization
			Use visualization, spatial reasoning, as well as geometric properties and strategies to model, solve problems, and view solutions, especially in R^2 and R^3 , as well as conceptually extend these results to higher dimensions
			Work collaboratively with peers and instructors to acquire mathematical understanding and to formulate and solve problems and present solutions
II	18KP2M07	Topology	Analyze complex networks
			To apply Differential Topology to probability to identify multivariate interactions
II	18KP2M08	Probability Theory	Understand the principles of probability Theory
			Derive Probability distributions relevant to function of random variables
III	18KP3M09	Classical Dynamics	Ability to solve the Newton Equations for simple configurations using various methods
III	18KP3M10	Measure and Integration	Understand the fundamentals of measure theory and be acquainted with the proofs of the fundamental theorems underlying the theory of integration
			Develop a perspective on the broader impact of measure theory in ergodic theory and have the ability to pursue further studies in this and related area
			Measure theory random variables, independence, expectations and conditional expectations, product measures
III	18KP3M11	Partial Differential Equations	Understand the difficulty of solving problems
			Solve problems using Partial differential Equations
III	18KP3ME LM3	Stochastic Processes	Analyze continuous and discrete-time random processes
			Apply the theory of stochastic processes to analyze linear systems

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3ME LM4	Operations Research	Learn the strategic importance of operations and supply chain management in a global business environment
			Understand how an operation relates to other business function.
			Develop a skill set for quality and process improvement
			Learn how to manage and control the resource allocation
IV	18KP3M12	Functional Analysis	Understand the fundamental concepts of functional analysis and their role in modern mathematics and applied contexts
			Demonstrate capacity for mathematical reasoning through analysing proving and explaining concepts from functional analysis
			Apply problem-solving using functional analysis technique applied to diverse situations in physics, engineering and other mathematical context
IV	18KP3M13	Integral Equations, Calculus of Variations and Transforms	Understand variation principles
			Develop the skills while doing/solving the various problems by using integral equations in all engineering sciences
IV	18KP3M14	Fuzzy Analysis	Obtain the basic knowledge in Fuzzy Sets and Fuzzy Logic and its Applications
IV	18KP3ME LM5	Discrete Mathematics	Understand the basic principles of sets and operations in sets
			Write an argument using logical notation and determine if the argument is or is not valid
			Know about basic set equalities

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF STATISTICS-B.SC STATISTICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18K1S01	Descriptive Statistics	Learn to identify sample results
			Learn about Inductive approach
			Learn how to represent in graphs and charts without the loss of information
	18K1SAS1	Statistics and Mathematics –I	Learn the importance and value of mathematical and statistical thinking
			Learn about problem solving in a wide range of disciplines
			Recognise the connection between theory and application
II	18K2S03	Probability Theory and Random Variables.	Learn about the mathematical theory and random processes
			Learn the concept of stochastic processes
			Learn about the linear filtering of random processes
		Statistics and Mathematics- II	Ability to independently read mathematical and statistical literature like survey books
			Provide a concise and clear definition of statistical problem
		Statistics and Mathematics III	Ability to independently read mathematical and statistical literature like survey books
			Provide a concise and clear definition of statistical problem
III	18K3S04	Discrete Distributions	Master techniques for descriptive statistical calculation
			Determine the appropriateness of applying probability distribution
III	18K3SAS4	Operation Research – I	Develop linear programming models
			Analyse general nonlinear programming problems
IV	18K4S06	Continuous Distribution	Explores the concepts of Modern probability theory
			Foster understanding through real world statistical application
IV	18K4SAS6	Operation Research –III	Develop linear programming models
			Analyse general nonlinear programming problems
V	18K5S07	Statistical Inference –I	Explain the notion of parametric models and point estimation of the parameters
			Develop estimation and analysis techniques
V	18K5S08	Statistical Inference –II	Explain the use of non-parametric statistical methods
			Demonstrate computation skills to implement various statistical approaches
V	18K5S09	Sampling Techniques	Introduction to design and analysis of sample surveys
			Develop understanding of the principles and methods used to design survey sampling schemes
V	18K5S10	Statistical Quality Control.	Introduce students to Statistics Quality Control
			Understanding the link between SQC and business analysis

Semester	Subject Code	Title of the Paper	Course Outcome
V	18K5SELS1	Numerical Analysis	Demonstrate understanding of common numerical methods
			Analyse and evaluate the accuracy of common numerical methods
V	18K6S11	Design of Experiments.	Ability to contextualise outputs where data are drawn from diverse socio-political and cultural dimensions
			Understanding of applied mathematics and computational tools
VI	18K6S12	Simulation and Inventory Control.	Introduction to the theory of simulation and inventory control
			Learn Monte Carlo technique
VI	18K6SELS2	Vital Statistics.	Learn to make comparison of life expectancy
VI	18K6SELS3	Programming in 'C'	Develop conditional statements to write C programmes
			Inscribe C programmes that use pointers to assess arrays, strings and functions

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COURSE OUTCOME FOR THE SYLLABUS 2018 ONWARDS
DEPARTMENT OF STATISTICS- M.SC STATISTICS

Semester	Subject Code	Title of the Paper	Course Outcome
I	18KP1S01	Distribution Theory.	Develop problem-solving techniques needed to accurately calculate probabilities.
			Apply problem-solving techniques to solving real-world events
I	18KP1S02	Real Analysis & Matrix Theory.	Demonstrate understanding of the concepts of vector space and subspace
			Apply principles of matrix algebra to linear transformations
I	18KP1S03	Measure & Probability Theory.	Understand the axiomatic formulation of modern Probability Theory
			Understand the concept of random processes and determine covariance and spectral density of stationary random processes
I	18KP1SE LS1	Regression Analysis and Time series.	Learn and master the basic concepts and methods of time series analysis
			Understand the fundamental and crucial difference between time series data and traditional independent and identically distributed samples used in basic statistics
II	18KP2S05	Statistics Quality Control.	Demonstrate the ability to use the methods of statistical process control.
			Demonstrate the ability to design, use, and interpret control charts for variables
II	18KP2S06	Linear Model & Design of Experiments.	Understand the principles and theories of designing experiments
			Present and discuss the concept of experimental design
II	18KP2S07	Advanced Operation Research.	Identify and develop operational research models from the verbal description of the real system
			Understand the mathematical tools that are needed to solve optimisation problems
II	18KP2SELS 2	Multivariate Analysis.	Understanding of the link between multivariate techniques and corresponding univariate techniques
			Summarize and interpret multivariate data
III	18KP3S09	Estimation Theory.	Describe the difference between the classical and Bayesian approach to estimation;
			Formulate system models and parameter estimation problems and derive corresponding Cramer-Rao lower bounds and sufficient statistics
III	18KP3S10	Testing of Statistical Hypothesis.	Identify the four steps of hypothesis testing
			Define Type I error and Type II error, and identify the type of error that researchers control.
III	18KP3S11	Sampling Theory.	understand the principles underlying sampling as a means of making inferences about a population
			Understand the difference between randomization theory and model based analysis

Semester	Subject Code	Title of the Paper	Course Outcome
III	18KP3SELS3	Population Studies.	Explain demographic changes in the world and their major determinants
			Apply demographic concepts and population theories to explain past and present population characteristics.
III	18KP3SELS4	Actuarial Science.	Students will demonstrate a solid foundation in mathematics by their ability to solve a variety of basic and advanced mathematical problems.
			Students will learn to apply actuarial mathematics to problems in a variety of fields, including insurance, finance, investment, and other businesses
IV	18KP4S12	Computer Programming with C++	Ability to define and manage data structures based on problem subject domain.
			Ability to work with textual information, characters and strings
IV	18KP4SEL5	Research Methodology	Understand some basic concepts of research and its methodologies
			Write a research report and thesis