## CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA

Accredited by NAAC with 'A' Grade, Affiliated to University of Calicut



## **UG - COURSE OUTCOME**

(ACADEMIC YEAR 2021-'22)

## IRINJALAKUDA NORTH P.O., THRISSUR, KERALA - 680125,

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ne of the programme Name of the Programme				Bachelor of Vocation Information Technology  Byoc IT
t Name of the of the				CCAVIT
emester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To understand how to integrate information technologies with data science methods to extract value from data sets
			CO2	To understand how to select appropriate analytic tools for specific managerial issues
	SDC1BA01	BUSINESS ANALYTICS	CO3	To be able to think critically about the business implications, meaningfulness and applicability of observed data patterns and analytic inferences
			CO4	To have proficiency with several data-analytic tools to solve business problems
		DVTHON	CO5	To get expertise in tools such as Excel and open source to interpret data
		PYTHON PROGRAMMING, BASIC	CO1	To understand Problem solving and programming capability in Python
		ELECTRONICS AND	CO2	Acquire programming skills in core Python
		INTRODUCTION TO IOT	CO3	Acquire Object Oriented Skills in Python
		PART A - PYTHON	CO4	Develop the skill of designing Graphical user Interfaces in Python
		PROGRAMMING	CO5	To develop the ability to write database applications in Python
			CO1	Understand the working of various semi-conductor devices
			CO2	Develop analysis capability in BJT and FET Amplifier Circuits
1	SDC1PP02		CO3	Develop competence in frequency response analysis of discrete amplification Develop design competence in signal and power amplifiers using BJT are
		PART - B BASIC	CO4	FET
		ELECTRONICS AND	CO5	To understand the basic digital electronic gates
		INTRODUCTION TO IOT	CO6	Understand the Internet of Things Ecosystem using Wireless Technolog
			CO7	Explore the design methodology of M2M Communication in Internet of Things.
			CO8	Develop knowledge on design trade-offs in various digital electronic families with a view towards reduced power consumption
			CO1	Understand the use of Structured Query Language (SQL) and SQL syntax
			CO2	Apply normalization techniques to normalize the database
	SDC1DB03	DATBASE MANAGEMENT SYSTEM: MONGO DB	CO3	Understand the needs of database processing and to get trained in techniques for controlling the consequences of concurrent data access
			CO4	Skilled in data modelling using the entity relationship and developing database designs.
			CO5	Understand the relational model of data and usage of Relational Algebr
	SDC1DB05P	PROGRAMMING &		
			CO1	Understand the elements of human logic manifest in Excel's user
			CO2	interface, and some of the ways those elements manifest in Excel VBA
	SDC2ME06	MICROSOFT EXCEL FOR	CO2	and VBA concepts
	SECZIVILOU	VBA &SPSS	CO4	Understand the essentials of the Excel Developer tab and VBA Editor Understand macro-less workbooks as opposed to VBA Macro (and VBA Function) enabled workbooks
			CO5	To get skilled in Data Analysis and Data Visualization
			CO1	An understanding of problems solvable with data science and an ability attack them from a statistical perspective.
2			CO2	An understanding of when to use supervised and unsupervised statistic learning methods on labelled and unlabelled data-rich problems.
		INTRODUCTION TO DATA SCIENCE	CO3	Gain an in-depth understanding of data structures and data analysis to explore and visualise data for meaningful insights and identify relationships between large data sets.
	SDC2DS07		CO4	Gain the skills and knowledge required to manage data science and analytics teams or projects at your organization
			CO5	Understand the nuances and applications of descriptive, predictive, and prescriptive analytics to enhance analytical skills and make real-time, do driven business decisions.
			CO6	Learn to use analytical tool such as R to manipulate and analyse comple data sets and become proficient in building machine learning models us R.

		PRATICAL II:		
	SDC2DS08P	MICROSOFT EXCEL FOR DATA SCIENCE AND SPSS		
				Understand the basic taxonomy and terminology of the computer
			CO1	networking and enumerate the layers of OSI model.
	SDC3CN11	COMPUTER NETWORKS	CO2	Understand Application layer and Presentation layer paradigms and protocols.
	SDCSCNII	FOR IOT	CO3	Understand different protocols used in IOT
			CO4	Get skilled in Network layer routing protocols and IP addressing
			CO5	To get skilled in reading the fundamentals and basics of Physical layer, a will apply them in real time applications.
			CO1	To be able to analyze PN junctions in semiconductor devices under vari conditions
		ELECTRONICS DEVICES	CO2	To be able to design and analyze simple rectifiers and voltage regulator
3	SDC3ED12	AND CIRCUIT DESIGN	CO3	using diodes Explore the design methodology of M2M Communication in Internet or
		FOR IOT, IOT WITH		Things
		RASPBERRY Pi	CO4 CO5	To be able to Analyze various protocols for Internet of Things  Realize the Internet of Things Ecosystem using Wireless Technologies.
			003	To be able to design a portable Internet of Things using Raspberry Pi ar
			CO6	Arduino.
		PRACTICAL 3:PYTHON		
	SDC3PC13P	FOR DATA SCIENCE& COMPUTER NETWORKS		
		FOR IOT		
		PRACTICAL 4:BASICS OF		
	SDC3IR14P	IOT & IOT WITH		
		RASPBERRY Pi		Understand hardware and software design requirements of embedded
		DATA SCIENCE WITH R	CO1	systems
		AND PYTHON	CO2	Understand Android platform and architecture as well as UI designing.
	SDC4DS15	PROGRAMMING, EMBEDDED LINUX OS & ANDROID PROGRAMMING	CO3	Understand the embedded systems' specification and develop softwar
	350 15313			programs
			CO4	To integrate multimedia, camera and Location based services in Andro
			CO5	Application  To get skilled with SQLite Database and content providers
4	SDC4DS17P	PRACTICAL V: DATA SCIENCE WITH R PROGRAMMING AND DATA VISUALISATION USING QIkView AND		
		Power BI PRATICAL 6:ANDRIOD &		
	SDC4AL18P	LINUX		
			CO1	To understand the basic concepts and techniques of Machine Learning
			CO2	To understand regression methods, classification methods, clustering
				methods.
	SDC5ML20	MACHINE LEARNING	CO3	To understand Dimensionality reduction Techniques
	3DC3IVILZU	USING PYTHON	CO4	Understand the strengths and weaknesses of popular machine learning approaches.
				To be able to design and implement machine learning solutions to
			CO5	classification, regression, and clustering problems; and be able to evalu
				and interpret the results of the algorithms
			CO1	To Understand the challenges traditional data mining algorithms face
				when analyzing Big Data
			CO2	Get introduced the tools required to manage and analyze big data like Hadoop, NoSql MapReduce
	SDC5BC21	BIG DATA &CLOUD		To understand fundamental techniques and principles in achieving big
		PLATFORM FOR IOT	CO3	data analytics with scalability and streaming capability.
				Gain practical experience in the development of Cloud-based IoT syste
			CO4	and exposure to appropriate hardware and software platforms that
				underpin such development.
	SDC5HN22P	PRATICAL I:HADOOP &		
		NO SQL DATABASE PRACTICAL VIII:		
		MACHINE LEARNING		
	SDC5ML23P	PYTHON AND DATA		
		VISUALISATION USING		
		TABLEAU		
			CO1	Understand to interpret literature with the purpose of formulating a
				project proposal

		i i		
			CO2	Get skilled in Planning, analyzing, designing and implementing a software project using SDLC model.
6		PROJECT	CO3	Learn to work as a team and to focus on getting a working project done
				within a stipulated period of time
			CO4	Understand the concepts of design methodologies, testing methodologies & its implementation
			CO5	Skilled in the technical report/thesis writing
Name of th	e programn	пе		Bachelor of Vocation Food Processing Technology
Short Name of th				Bvoc FPT
Code of the Prog			20.11	CCAVFP Course Outcomes
Semester	Course code	Course Title	CO No:	Course Outcomes  To understand the chemistry of foods - composition of food, role of each
			CO1	component and their interaction
			CO2	To understand how processing conditions are likely to change the reactivity of food components
			CO3	To explain the chemistry of the most important food components, including their properties and reactions
		FOOD CHEMISTRY,	CO4	Understand the relationship between nutrition and human wellbeing.
	SDC1 FF01	NUTRITION AND	CO5	Apply their knowledge and laboratory skills to measure, control and
		INSTRUMENTATION		modify the chemical and physical properties of food
			CO6	To understand the principles behind some of the most common analytical techniques used in food analysis and to get skilled in it's usage
			CO7	To understand the major chemical reactions that occur during food handling, processing and storage, including those that limit food shelf life
		FOOD CHEMISTRY,		
1	SDC1 FF02P	NUTRITION, INSTRUMENTATION		
	SDC1 BC 03	(PRACTICAL)  BAKERY AND CONFECTIONERY		To understand the fundamentals of baking and technology behind various
			CO1	bakery products
			CO2	Understand the fundamentals of baking and to familiarise various kinds of ingredients used in baking.
			CO3	To get skilled in preparation of different bakery items and bread making.
				To develop skill in various baking procedures and to get working
			CO4	knowledge of equipment needed for baking so as to start independent unit.
			CO5	To get trained in quality check and causes of spoilage in baking.
		BAKERY AND	CO6	To get trained in quality check and causes of spoilage in baking.
			CO7	To get trained in the technologies (equipment and process) for
				confectionary product preparations
	SDC1 BC 04	CONFECTIONERY (PRACTICAL)		
			CO1	To study the systematic approach towards the basic and applied aspects of different preservation methods.
			CO2	To familiarize with various theoretical aspects of recent trends in food preservation
		PRINCIPLES OF FOOD	CO3	To understand the method of action of different preservatives.
	SDC2 PF06	PRESERVATION	CO4	To understand the different ways in which food spoilage occurs and the techniques to prevent it
			CO5	To get skilled in the appropriate usage of different preservatives that are used commonly in the industry.
			CO6	To get skilled in the estimation of different preservatives in food samples that are used commonly in the industry
2	SDC2 PF07P	PRINCIPLES OF FOOD PRESERVATION (PRACTICAL)		
		(FRACTICAL)	CO1	To understand the chemistry of milk and its products, composition, role of
			CO1	each component and their interactions  To understand processing preservation and production of milk and milk
			CO2	products
	SDC2 DT08	DAIRY TECHNOLOGY	CO3	To be able to evaluate the adulteration in milk and milk products
			CO4	To get skilled in the quality check of Milk and milk products
			CO5	To get trained in the preparation of different value added products of milk

			CO6	To understand the working of a diary unit in a real life situation.
	SDC2 DT09P	DAIRY TECHNOLOGY (PRACTICAL)		
			CO1	To understand the structure and characteristics of different microorganism.
			CO2	To understand the concept of sterilisation and its importance in food processing
	SDC3 FM11	FOOD MICROBIOLOGY	CO3	To understand the spoilage in different food commodities by means of microorganisms
			CO4	To understand the importance of microbes in fermented food products
			CO5	To get skilled in aseptic culture techniques for bacteria
	SDC3 FM12P	FOOD MICROBIOLOGY (PRACTICAL)		
3			CO1	To understand various technologies in cereal and pulse processing and milling.
			CO2	Understand basic composition and structure of food grain
	CDC2 NATA2	NAULING TECHNIQUOSY	CO3	Understand the basics of milling operations and byproducts utilization.
	SDC3 MT13	MILLING TECHNOLOGY	CO4	To understand the production, distribution & storage of grains and thei valued adds products
			CO5	To understand the processing of pulses and oilseeds
			CO6	To understand the processing of spices
	SDC3 MT14P	MILLING TECHNOLOGY - (PRACTICAL)		
		,	CO1	To understand the importance of livestock, egg and poultry in food
			CO2	security.  To understand slaughter processes in meat animals and poultry
				To understand methods of processing and preservation of animal origin
			CO3	foods and byproduct utilisation in this sector.
		TECHNOLOGY OF MEAT	CO4	To understand egg production practices, egg preservation methods,
	SDC4 TM16	AND EGG		factors affecting egg quality and measures of egg quality
			CO5	To get trained in the structure, composition and nutritional quality of animal origin food products
				To understand the methods of processing and preservation of animal
			CO6	origin food materials
			CO7	To get skilled in the preparation of different value added products using
4	SDC4 TM17P	TECHNOLOGY OF MEAT AND EGG (PRACTICAL)		meat and egg.
		AND EGG (FRACTICAL)	CO1	To get skilled in the manufacture different fish products and to be able
				supervise a production centre
		FISH PROCESSING AND	CO2	To understand the microbiology of fish
	SDC4 FP18	BYPRODUCT	CO3	To get trained in different equipment used in fish processing
		TECHNOLOGY	CO4 CO5	To understand the principles of different fish preservation methods  To get skilled in different fish preservation techniques
				To get skilled in different the preparation of different value added
			CO6	products using fish
	SDC4 FP19P	FISH PROCESSING AND BYPRODUCT TECHNOLOGY (PRACTICAL)		
		(TINCTIONE)	CO1	To understand the processing and preservation of fruits and vegetable using various techniques
			CO2	To understand the concept of quality in relation to fruit and vegetable based products.
	CDCC TE24	TECHNOLOGY OF	CO3	To understand maturity indices of fruits and vegetables
	SDC5 TF21	FRUITS AND VEGETABLES	CO4	To get trained to develop different fruit products.
		1 2 2 11 13 2 2 3	CO5	To get skilled in the usage of different equipment used in fruit processi and preservation.
			CO6	To get skilled in the preparation of different value added products usin fruits.
	SDC5 TF22P	TECHNOLOGY OF FRUITS AND VEGETABLES (PRACTICAL)		
5		(Fig. 15 Fig. 12)	CO1	To develop an understanding of psychology and sensory physiology
			CO2	To get trained to select and implement appropriate sensory methodolo
	SDC5 SF23	SENSORY EVALUATION	COZ	for a specified objectives

00 0020	OF FOODS	CO3	To gain experience in data collection and interpretation of sensory data
		CO4	To develop and apply the skills to critique sensory methodology
SDC5 SE24P	SENSORY EVALUATION OF FOODS (PRACTICAL)		
	OT TOODS (THACTICAL)	CO1	To get the deep knowledge about the type of waste, its generation and
	BYPRODUCT		the importance of waste management
SDC5 BU25	UTILIZATION AND WASE		To obtain knowledge about effluent treatment  To understand the waste utilization in agro industries
	MANAGEMENT		To understand the concept of waste utilization of animal and marine
			product industry  To get work experience in real life situation.
	PROJECT, PRODUCT		To get the opportunity to implement the knowledge they aware for the
SDC6PR26Pr	DEVELOPMENT, IN-	CO2	betterment of industry.
	PLANT TRAINING	CO3	To improve the skills they acquire, and to be able for the development of new products which can help to become an entrepreneur.
≝ ne programn	ne		Bachelor of Arts, Malayalam
			B.A. Malayalam
1	Course Title	CO No:	CCAMAR Course Outcomes
Course code	Course ritte	CO NO.	മലയാളകവാതാ സാഹാതയതെന്നറയും കഥാ
		CO1	ന്ത ഹി തയ്തരിന് റയു െ വളർ്ച്ചവി ക്ക് സഘ്ട്ങ്ങൾ മന്സിലാ ക്കുന്നു പരാചി നകവ തയതെ അപരി ചയപങ്ങഅവരു ടപെരാധന
MAL1A07(1)	മലയാ ളനാ ഹി തയാ	CO2	കൃതി കളു ം രചന്ന സവി ശാഷേതകളു ം മന്സ്നിലോ ക്കാൻ കഴിയുന്നു
		CO3	ഇതി ഹ്മാ സ ക്യ തി കളപെരി ചയപഷ്ടാനു o ആസ്ഥദി കക്മനു o കഴിയു നന്തു
			ന്ത്ര ടന്റപാടം, മാപിളപ്പാട്ടു വി രകഥാ ഗാ നങ്ങൾ എന്ന്നവയ
		CO4	കു റിച്ച്പന്തറിയാന്ത് കഴിയുന്നു
MAL2 A08(1)	മലയാ ളന്നാ ഹി തയാ2	CO1	മലയാളകവിതാ സഹിതയാതിന് റ വളർച്ചാല്ട്ങ്ങളെയും വിവിധ പത്സഥാനങ്ങളെയും കുറിച്ചഅറിവ്നുടേന്നും
		CO3	ആധു നി ക കവ ത മു തൽ നവി നകവ ത വര
		CO2	പരി ചയപ്ഷള നന്തു.
		CO3	നീ രൂ പണ സാ ഹി ത്യത് ത്രെക്കുറിച്ചും
			നി രൂ് പകൻമാരക്കെറി ച്ചും അറി വ് നടോൻ ന്മാ ധി ക്കു്ന ന്നാടകത അക്കുറി ചും ന്നാടകപത്സ്ഥാനങ്ങളുക്കെറി ചും
		CO1	പരി ചയ്പ്ഷടാൻ സൗധി ക്കുന്നു
MAL3A09	മലയുളന്നു ഹി	CO2	ചലച്ചത്രുത ഖയകെക്സി ചുകതി രക്ഷമ
	(M) 3		രചനയരെ കുകുറി ചുപ്പാന്ത്വായ ഡാ രണ ലഭി കുകുന്നു ആതമകഥ , ജി വചരി തരു, സഞ്ചാര സാ ഹി തയാ എനന്ന
		CO3	സ്ത് ഹി ത്യമു പങ്ളെ െഅടുത്തിയാൻ സാധി ക്കുന്നു
		CO1	ഭാഷ, എഴു തത, വി വരത ത്നാ , സം സക്കര പഠനാ എന്നിവയരെ കുകുറിച്ച്ചനാ മാനയമായ അറി വ് നടേടു്ന്നു
	and and a		വ വരയ ത്ഥരസ്തത്ത ത്രക്ഷാ। ചങ്കു ടു തൽ അറി യ ന
MAL4A10	മലയാളസാ ഹ തയം 4		കഴിയുന്നു
		CO3	ന്നൂ o സക്കൂരി ക ചരി ത്രത്ത ത്തകുക്കുറി ചച്ചമനസ്തിലാ കുകുന്നു ന േവത്ത് പത്സഥാനതെ ത്തകുക്കുറി ചച്ചുb
		CO4	ന <b>േവലു</b> കളക്കെറിച്ചും അറിയാൻ കഴിയുന്നു
		CO1	മലയാള സാഹി ത്യത്തെന്നാമാനയമായി പരിചയപ്ഷജന്
MAL1A07(2)	മലയാളനാ ഹി ത്യ	CO2	നഭാവൽ സാഹി തയ്തെ അക്കുറിച്ചമനസ്സിലാ കുംപ്നനു
	പഠനമ 1		യാ തരവ വരണം , സഞ്ചാരസാ ഹ തയാ എനന്
			മഖേലകളക്കൊറി്ച്ചസാ മാന്യമായി മന്ന്നിലാക്കുന്നു കവിതാസാഹിതയാപരിചയപ്പുടുന്നു
		CO2	ആധു നി ക ചാറു കഥാ സാ ഹി തയാ മനസ്സിലോ കുകുന്നു
MAL2A08(2)	മല യളസാ ഹി ത്യ	CO3	ന്ന ടകപത്സഥ നത് അകുഹിച്ച മനസ്ഥില കുന്നു
	പOMo 2	CO4	ആതമകഥ / ജ1 വചരി തരം എനന്നവയരെ കു റിച്ച്പന്താ മാനയ്യാ രണ ലഭിക്കുന്നും.
			മലയാ ളഭാഷയി ലൂ ടത്രെ സ്തരന്നു ം സക്കരി കുട
	മലത്ത ഒ ഭാഷത്ത	CO1	മഖേല് കളി ലഭ്ക്ക്ചന്െന്ത്തനു ള് ളഅവസരം ലഭിക്ക്ന
MAL1A07(3)	മലയാളഭാഷയും സാഹിത്യാം 1	CO1	മഖേലകളി ലക്കോക്ക് നന്ത് തനു ള് ളഅവസരം ലഭിക്കുന്നു മലയാ ള ചറ്റെ കഥാ സാ ഹി തയ പരി ചയ്പക്കുന്നു നവര്ത് ഥാനഘ്ട്ക്ക് രീലം കവി തകളക്കെുറിച്ച
ł	SDC5 BU25  SDC6PR26Pr  ne programr he Programme Course code  MAL1A07(1)  MAL2 A08(1)  MAL3A09  MAL3A09	SDC5 SE24P SENSORY EVALUATION OF FOODS (PRACTICAL)  SDC5 BU25 UTILIZATION AND WASE MANAGEMENT  SDC6PR26Pr PROJECT, PRODUCT DEVELOPMENT, IN-PLANT TRAINING  PROJECT, PRODUCT DEVELOPMENT, IN-PLANT TRAINING  MAL1A07(1)	SDC5 SE24P   SENSORY EVALUATION OF FOODS (PRACTICAL)

			CO1	മലയാ ളചറെു കഥാ സാ ഹി ത്യാ പരി ചയപ്ഷടുന്നു
	MAL2A08(3)	മലയാളഭാഷയും സാഹിതയാം 2	CO2	ന <b>േ</b> വൽ പത്സ്ഥാനം പരി ചയ്പക്കു നന്ന
		നയപാധയമാഠ2	CO3	ന്ന ടകപ്ര്ഡ്ഥനം പരി ചയപ്ഷു നന്ന
Name of th	e programn	ne		Bachelor of Science, Geology
Short Name of th				B.Sc. Geology
Code of the Prog	ramme			CCASGL
Semester	Course code	Course Title	CO No:	Course Outcomes
		ESSENTIALS OF	CO1	Identify and define basid terms and concepts which are needed for   advanced courses in Geology
	GEO1B01	GEOLOGY	CO2	
			CO3	Able to understand in detail about natural hazards.
			CO1	Able to understand different weathering processes and geological agents.  Students will be able to understand the fundamentals of hydrogeology
			CO2	processes.
	GEO2B03	DYNAMIC GEOLOGY AND GEOINFORMATICS	CO3	Understand basic concepts and principles in Geoinformatics.
		ANDIGEOINFORMATICS	CO4	Know about various applications of Geoinformatics. Geoinformatid applications in Geosciences (geology, groundwater mineral exploration)
			CO1	Basid terms and laws in crystallography
	GEO3B05	CRYSTALLOGRAPHY AND	CO2	Detailed study of different classes.
		MINERALOGY	CO3	Understand scope and aim of mineralogy
			CO4	Identification of physical properties of minerals.
	CEO4007	OPTICAL AND	CO1	Understand  the  fundamenta  principles  of  petrologica  microscope  and  its  parts.
	GEO4B07	DESCRIPTIVE MINERALOGY	CO2	Know about optical properties of minerals and its identification
		IVIIIVERALOGY	CO3	Learn about mode of occurrence and industrial uses of minerals.  Ability to comprehend, apply, analyze, or evaluate the concepts about
	GEO5B09	STRUCTURAL GEOLOGY   AND GEOTECTONICS	CO1	basid principles,     analyses methods and field characteristics of common geological    structures, tectonid forces acting     on the earth surface, concept of theory of plate tectonics etc, which are    needed for advanced    courses in Structural Geology and Geotectonics.
			CO2	Students  develop  a  basid  understanding  about  different  types  of  rock   deformation,    associated  pressure  temperature  conditions,  stages  of  deformation.
			CO3	Students are exposed to geometric and genetic classification of types of different structures and associated deformation mechanism
			CO4	Students  will  be  able  to  identify  different  tectonid  deformation  structures   in  Earth  surface
			CO1	The overview of the geological time scale
		OTD ATI OD A T	CO2	Understanding of various stratigraphid laws physical and biological criteria of correlation.
	GEO5B10	STRATIGRAPHY AND   SEDIMENTOLOGY	CO3	The knowledge of broad classification of sedimentary rocks.
			CO4	Detailed understanding sedimentary structures and textures
			CO5	Learning of various sedimentary rocks
			CO1	Understanding of important structures and textures of igneous rocks.
	GEO5B11	IGNEOUS  PETROLOGY	CO2	Will   learn   about   different   classifications   of   igneous   rocks.
			CO3	Will study reasons for diversity in igneous rocks.
			CO4	Crystallization  behavior  and  petrogenetic  significance  of  magmas.
			CO1	Identify and define basic concept, factors and types of metamorphism   Identify different structures and textures of metamorphic rocks
	GEO5B12	METAMORPHIC	CO2	
		PETROLOGY	CO3	Determine metamorphic grades and facies    Apprehend petrography and origin of various metamorphic rocks
			CO1	The detailed learning of methods of fossil preservation and uses of fossils
			CO2	The detailed understanding of morphology, classification and importance of foraminifera
	GFO6R17	PAI AFONTOLOGY		P1  S. Williams of

	OLOOD1/	FALALONIOLOGI		The detailed learning of different Phylum   Coelenterate, Hemichordata,
			CO3	Mollusca,   Gastropoda,   Cephalopoda,   Brachiopoda,   Echinodermta   and   Arthropoda
			CO4	The detailed understanding of plant fossils in India.
			CO1	Students can able to understand different stratigraphic distribution of Indian and their correlation with other geological settings.
	GEO6B18	INDIAN  GEOLOGY	CO2	Can able to understand about the major geologic events in the earth history and major gaps
			CO3	
			CO1	It helps to reflects classification of different mineral deposits in earth.
			COI	It gives an lidea about how prevailing geological features controls ore
			CO2	deposition and also serve as tools to find hidden treasure
			CO3	It gives an idea about the formation of mineral deposits
	GEO6B19	ECONOMIC GEOLOGY	CO4	t  helps  to give a brief  knowledge  about  the  mineral  deposits  of India
			CO5	It helps to know about the formation and different aspects related to Coal, crude oil and natural gas.
			CO1	Find out the natural examples which are studied in the theory classes
			CO2	Identify the structural features which are studied in the structural geology theory classes
	GEO1B02(P)	FIELD GEOLOGY	CO3	Observe and understand the process behind geomorphology and other geological phenomena
			CO4	Study the geological features using the live examples and extend the theory into field
			CO1	Introduce the new software tools to the geology
			CO2	Preparing the geology works to do with the help of computers
	GEO2B04(P)	GEOINFORMATICS	CO3	To familiar with the image enhancing techniques
			604	To familiar with remote sensing missions of the different countries
			CO4	especially India
			CO1	Study of axial disposition, axial relationship and axial analysis of crystal
	CEO3D06(D)	CDVCTALLOCDADUV	CO1	systems
	GEO3B06(P)	CRYSTALLOGRAPHY	CO2	Identification and description of crystal models in normal class
			CO3	Identification and description of simple twin models
			CO1	Study of axial disposition, axial relationship and axial analysis of crystal
			601	systems
			CO2	Identification and description of crystal models in normal class
			CO3	Identification and description of simple twin models
			CO4	Identification of mineral specimens based on physical properties.
	CEO 4000(D)	CRYSTALLOGRAPHY,	CO5	Identification of thin sections
	GEO4B08(P)	MINERALOGY & GEOINFORMATICS	CO6	Introduce the new software tools to the geology
			CO7	Preparing the geology works to do with the help of computers
			CO8	To familiar with the image enhancing techniques
			CO9	To familiar with remote sensing missions of the different countries
				especially India
			CO1	Students will develop an ability to identify and explain different types of geological structures in the field, their geometries and types, and relate
			CO2	them to distinct deformation regime.  How to draw, interpret geological maps, construct geological cross sections, read topographic maps.
	GEO5B13(P)	STRUCTURAL GEOLOGY	CO3	Determine the thickness, width of an outcrop, attitude of a formation both by construction and calculation methods.
			CO4	Identify different types of geological structures in the map (horizontal bed, inclined bed, fold, fault, unconformity).
			CO1	Will identify and describe important igneous rock specimens
			CO2	Identification of thin sections of igneous rocks
			CO2	The preliminary identification of various sedimentary rocks
			CO4	Will able to understand the significance of various sedimentary structures
	GEOSR15(D)	PETROLOGY	CO5	Learning of various sedimentary textures of sedimentary rocks.
	GEO5B15(P)	PETROLOGY	CO5	Identify and define basic concept, factors and types of metamorphism
			CO7	Identify different structures and textures of metamorphic rocks
			CO8	Determine metamorphic grades and facies
			CO9	Apprehend petrography and origin of various metamorphic rocks
			09	Apprenent petrography and origin of various metamorphic rocks

				Charles will develop as ability to identify and applied different towards
			CO1	Students will develop an ability to identify and explain different types of geological structures in the field, their geometries and types, and relate them to distinct deformation regime.
			CO2	How to draw, interpret geological maps, construct geological cross sections, read topographic maps.
	GEO6B20(P)	STRUCTURAL AND ECONOMIC GEOLOGY	CO3	Determine the thickness, width of an outcrop, attitude of a formation bot by construction and calculation methods.
		ECONOIVIIC GEOLOGY	CO4	Identify different types of geological structures in the map (horizontal bed inclined bed, fold, fault, unconformity).
			CO5	It helps the students to identify the Common Economically important minerals in Hand Specimen
			CO1	Will identify and describe important igneous rock specimens
			CO2	Identification of thin sections of igneous rocks
			CO3	The preliminary identification of various sedimentary rocks
			CO4	Will able to understand the significance of various sedimentary structures
			CO5	Learning of various sedimentary textures of sedimentary rocks.
		PETROLOGY AND	CO6	Identify and define basic concept, factors and types of metamorphism
	GEO6B21(P)	PALAEONTOLOGY	CO7	Identify different structures and textures of metamorphic rocks
	GLOOB21(F)	FALALONTOLOGI	CO8	Determine metamorphic grades and facies
			CO9	Apprehend petrography and origin of various metamorphic rocks
			CO10	Students will able to identify megascopic fossils based on their morphological characters.
			CO11	Students will able to do the megascopic and microscopic identification of rocks
			E	LECTIVE
				The detailed learning about the environment
		ENVIRONMENTAL GEOLOGY	CO1	
	GL6B23(E01)		CO2	The detailed understanding man made interactions and its impacts
			CO3	The detailed learning different types of pollutions
	GL6B23(E02)	DISASTER		
	GLOBZ3(EUZ)	MANAGEMENT		
	GL6B23(E03)	GEO EXPLORATION		
	GL6B20(E04)	GEOTECHNICAL		
Name of th	ne programn	ENGINEERING		Bachelor of Science, Library Science
hort Name of t		ne		B.Lib.Sci
ode of the Prog				CCABLS
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	Comprehend the concept of information and the discipline of Library and Information Science.
			CO2	Understand the development of libraries.
			CO2	Classify libraries on the basis of their purpose and functions
	BLIS 01	Library, Information and	603	onessity instances on the sausis of their purpose and functions
	5215 01	Society	CO4	Know the role of libraries in the development of various aspects of societ
			CO5	Comprehend the basic philosophy and laws of Library and Information
			CO6	Science Understand librarianship as a profession
			CO1	Understand the concept and history of management
			CO2	Elaborate principles and functions of management
			CO2	Carry out various operations of Library and Information Centers
	BLIS 02	Management of Libraries and	CO4	Manage, preserve, and provide access to various print and non-print information sources
		Information Centres	CO5	Comprehend the concept of financial management and human resource management
			COE	
			CO6	Maintain the library statistics and prepare annual report  Understand, identify, and explore the different types of information
			CO6	Maintain the library statistics and prepare annual report

		Information Sources,	CO3	Explore, collate, and facilitate access to the electronic resources, such as e journals, e-books, databases, and institutional repositories
	BLIS03	Systems and Services	CO4	Provide library services using sources such as blogs, portals, wikies, subject
			COF	gateways, digital libraries  Understand the concept of library resource sharing and consortia
			CO5	Comprehend the nature and functions of various information systems and
			CO6	networks
			CO1	Understand the structure of computer and functions of its various units.  Plan and implement automation in library housekeeping operations and
		Information Technology	CO2	services  Identify and state the features of telecommunication channels, modes,
	BLIS 04	Theory	CO3	media, modulation, standards and protocols.  Highlight the nature and components of computer networks and their
			CO4	protocols and standards.  Examine the concept of library networks and highlight their types and
			CO5	importance
			CO1	Explain the nature and attributes of universe of knowledge
			CO2	Elaborate meaning and types of subjects and modes of subject formation
		Knowledge Organization	CO3	Illustrate knowledge as mapped in different classification schemes
	BLIS 05	Library Classification     Theory	CO4	Express the meaning, purpose, functions, theories, and canons of library classification
		riicory	CO5	Discuss the characteristics, merits, and demerits of different species of library classification schemes
			CO6	Highlight salient features of major classification schemes. Review current trends in library classification
			CO1	Understand the concept of library catalogue
			CO2	Comprehend various inner and outer forms of library catalogue
		Knowledge Organization	CO3	Understand the main and added entries of library catalogue
	BLIS 06	Library Cataloguing	CO4	Understand various approaches of deriving subject headings
		Theory Objectives	CO5	Know about the normative principles of cataloguing
			CO6	Understand the concept of co-operative and centralized cataloguing
			CO7	Explain the current trends in library cataloguing
			CO8	Know the standards for bibliographic interchange and communication
			CO1	Construct class numbers for documents with simple, compound and complex Subjects.
	BLIS07	Knowledge Organization – – Library Classification	CO2	Synthesize class numbers by using the standard subdivisions/common isolates/auxiliary tables
		Practice	CO3	Compile book numbers and be able to use index of the classification scheme
		Knowledge Organization	CO1	Use the catalogue codes and standards
	BLIS 08	– Library Cataloguing	CO2	Prepare catalogue entries for various types of information sources
		Practice	CO3	Derive subject headings using various methods and tools
			CO1	Create, edit, and manage files using Word Processing, Spread Sheet and Power Point Presentation software
	BLIS 09	Information Technology Practical	CO2	Carry out library housekeeping operations and Generate different types of report using library management software koha
			CO3	Search information from internet and databases adopting suitable search strategies
	BLIS 10	Project Work and ViVa	CO1	Students have to carry out project works under the guidance of a faculty member and prepare reports. The students should also appear for a vivavoce
	BLIS A01	(Audit Course -1) Library Observation and Study	CO1	Understand the activities and services in different types of libraries by participative and experimental learning
	BLIS A02	(Audit Course -2) Greenstone Digital Library Software		Create full text database, digital archive/digital library using Greenstone digital library software. Understand metadata creation
Name of th	ne programn	ne		Bachelor of Science, Hotel Management & Catering
Short Name of t				B.Sc. Hotel Mgt & Catering Science
Code of the Pro	1			CCAHMCS
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	Understand the hospitality industry and get introduced to the history of hotels, resorts and motels.
	BSH/C 1B01	INTRODUCTION TO HOSPITALITY INDUSTRY	CO2	Comprehend different types of hotels, hotel organizations and job description.
		11031 TIALITT INDUSTRY		

			CO3	Get to know customer service and guest service.
			CO4	Apprehend areas of hospitality industry
			CO1	Get introduced to housekeeping and understand the importance of housekeeping in hospitality industry.
			000	industriceping in hospitality industry.
	BSH2B02	ACCOMMODATION OPERATIONS	CO2	Understand the organizational framework of housekeeping department.
		OI ENATIONS	CO3	Learn bed making procedure, cleaning procedure and different types of cleaning
			CO4	Comprehend housekeeping procedure and public area cleaning
			CO4	Identify and learn the use of cleaning equipment and cleaning agents
				Learn the process of bed making, the cleaning procedure of guest room
	BSH2B02 (P)	ACCOMMODATION OPERATIONS	CO2	and turn down service and second service.
	D3112B02 (1 )	(PRACTICAL)	CO3	Apprehend standard supplies and setting of maid's cart and different types of trolleys
			CO4	Grasp guest room inspection and linen folding
			CO1	Get introduced to cookery.
		FOOD AND BEVERAGE	CO2	Understand the basic principles of food production.
	BSH3B03	PRODUCTION -I	CO3	Comprehend the classification of meat, rice and pulses along with their methods of cooking.
			CO4	Learn about beverages, milk and milk products
			CO1	Learn cutting of vegetables, preparation of stocks and sauces.
	DC113D03 (D)	FOOD AND BEVERAGE	CO2	Learn the production of soup.
	BSH3B03 (P)	PRODUCTION – I (PRACTICAL)	CO3	Learn the production of dishes with egg, fish, poultry, meat, potatoes an vegetables and also the production of salads and sandwiches.
		(I NACTICAL)	CO4	Learn the production of Indian cuisine.
			CO1	Get introduced to catering and classification of the catering industry.
		FOOD ANDBEVERAGE	CO2	Study the department organization and staffing.
	BSH3B04	SERVICE-I	CO3	Understand the use of operating equipment.
			CO4	Learn about menu and types of services
		FOOD AND BEVERAGE SERVICE -I(PRACTICAL)	CO1	Get introduced to food and beverage areas.
	DC112D04 (D)		CO2	Acquire basic technical skill.
	BSH3B04 (P)		CO3	Learn menu planning.
			CO4	Learn food and beverage service and breakfast service
		FOOD ANDBEVERAGE	CO1	Study classification of beverages
	BSH4B05		CO2	Understand bar and alcoholic beverages.
		SERVICE-II	CO3	Learn wines, Champagne, fortified wines and aperitifs
			CO4	Understand liqueurs, beer, cocktails and spirits
		5000 4410 051/50405	CO1	Learn dispense bar -organizing Mise-en-place
	BSH4B05(P)	FOOD AND BEVERAGE	CO2	Understand Planning and operating food and beverage outlets  Understand cocktails, mixed drinks and alcoholic beverages
		SERVICE-II(PRACTICAL)	CO3	Learn matching wines with food
			CO4 CO1	Get introduced to Indian Cookery
			CO2	Learn quantity food production and menu planning
	BSH4B06	FOOD & BEVERAGE		Understand international cuisine like sandwiches, charcutier, appetizers
		PRODUCTION -II	CO3	and garnishes
			CO4	Learn Bakery and confectionery
		FOOD & BEVERAGE	CO1	Learn the production of continental dishes
	BSH 4B06 (P)	PRODUCTION – II	CO2	Learn the production of Bread
	D311 4D00 (1 )	(PRACTICAL)	CO3	Learn the production of salad
		(	CO4	Learn the production of Dessert
			CO1	Understand different operational departments in the hotel
	BSH5B07	INDUSTRIAL EXPOSURE	CO2	Developing the relationship
		TRAINING AND REPORT	CO3	Understand daily functions of varies department in the hotel
			CO4 CO1	Learn standard operating procedures of departments  Understand about hotel department
		COMPREHENSIVE SELF	CO2	Understand technical words using in core department
	BSH 5B08	STUDY	CO2	Learn the functions of front office and Housekeeping
			CO4	Learn the functions of F&B Service and F&B Production
			CO1	Get introduced to hospitality industry and front office organization
	Berreson	FRONT OFFICE	CO2	Learn Room Tariff, reservation and registration procedure
	BSH6B09	OPERATION	CO3	Understand Guest services
			CO4	Learn Front office accounting
		EDONT OFFICE	CO1	Learn and procedure of reservation and registration
	BSH6B09 (P)	FRONT OFFICE OPERATIONS	CO2	Understand guest history and telephone and housekeeping procedure
	23/10203 (1)	(PRACTICALS)	CO3	Learn daily transactions and front office accounting procedure
		(1.13.10.1.0.1.12)	CO4	Role play

			CO1	Get introduced to linen and uniform room management
	BSH6B10	ACCOMMODATION	CO2	Understand the laundry department
	MANAGEMENT	CO3	Learn interior design and flower arrangement	
		CO4	Comprehend housekeeping supervision	
			CO1	Learn computer applications in front office
	RSH 6R11	ROOMS DIVISION	CO2	Understand yield management
	BSH 6B11	MANAGEMENT	CO3	Learn the process of evaluating hotel performance
			CO4	Understand the soft skills for hospitality and quality management
			CO1	Learn cost and sales dynamics
	BSH/C 6B12	FOOD AND BEVERAGE	CO2	Acquire inventory control and food and beverage control and budgetary control.
		MANAGEMENT	CO3	Understand standard costing, variance analysis and breakeven
			CO4	Learn menu merchandising
Name of th	ne programn	ne		Bachelor of Arts, Economics
hort Name of t				B.A. Economics
Code of the Pro				CCAECR
Semester	Course code	Course Title	CO No:	Course Outcomes
Jemester	course coue	course ride	CO NO.	To acquaint students with the fundamental concepts and principles to
			CO1	understand the Economic motives and behaviour patterns of an individual Consumer.
			CO2	To study the pattern of resource allocation for the well-being of the society.
			202	Get an introduction to supply and demand and the basic forces that determine
			CO3	equilibrium in a market economy
			604	To study the concept of Welfare Economics and get to know the different
4		MODO 5001101 1100	CO4	concepts of Social Welfare.
1		MICRO ECONOMICS – I	CO5	Summarize the law of diminishing marginal utility; describe the process of utility maximization.
				Calculate supply and demand elasticities, identify the determinants of
			CO6	price elasticity of demand and supply, and demonstrate the relationship between elasticity and total revenue.
				Describe the production function and the Law of Diminishing Marginal
			CO7	Productivity; calculate and
			CO8	Graph short-run and long-run costs of production
			CO1	Explain the various concepts and nature of Macroeconomics.
				Identify key macroeconomic indicators and measures of economics change,
			CO2	growth, and development.
2		MAACDO ECONIONAICO I	CO3	To know the various theories of Classical and Keynesian school of thought
2		MACRO ECONOMICS I	CO4	Identify the phases of the business cycle and the problems caused by cyclical fluctuations in the market economy
				Define money and the money supply; describe the process of money creation by
			CO5	the banking system and the role of the central bank.
			CO1	To introduce various statistical tools to foster a research attitude in the students of Economics
		QUANTITATIVE METHODS	CO2	To enable the students to compute various methods of correlation and know the differences between correlation and regression.
		FOR ECONOMIC ANALYSIS	CO3	To compute and interpret simple linear regression between two variables
		-1	CO3	To understand the basic matrix algebra and its various uses and applications.
				To give knowledge about various measurement of trend like semi average,
			CO5	moving average and least square
			CO1	To know the idea of Producer's Equilibrium and Consumer's Equilibrium and the idea of different Cost curves and Revenue curves.
3				To impart an understanding about the behaviour of the producer in different
			CO2	types of markets.
		Michoraguay	CO3	To get to know the idea of how Products are priced and the idea of when price discrimination is possible.
		MICROECONOMICS II	CO4	Identify the four market structures by characteristics; calculate and graph the profit maximizing price and quantity in the output markets by use of marginal analysis.
			CO5	Determine the profit maximizing price and quantity of resources in factor markets under perfect and imperfect competition by use of marginal analysis.
			CO1	To construct different types of index numbers and the importance of index numbers in Indian Economy.
		QUANTITATIVE METHODS	CO2	To introduce various statistical tools to foster a research attitude in the students of Economics
		QUANTITATIVE METHODS FOR ECONOMIC ANALYSIS	CO3	To understand the theory of probability and its applications
		- II	COS	To use basic counting techniques (addition rule and multiplication rule,) to
		"	CO4	compute probability.
			COF	To give knowledge about various measurement of trend like semi average,
			CO5	moving average and least square.

_		CO1	To understand the basic ISLM model and the general equilibrium analysis.
4			Get an introduction to supply and demand and the basic forces that determine
		CO2	equilibrium in a market economy
	MACROECONOMICS – II	CO3	Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output.
	IVIACROECONOIVIICS – II		Construct the aggregate demand and aggregate supply model of the macro
		CO4	economy and use it to illustrate macroeconomic problems and potential
			monetary and fiscal policy solutions.
		CO5	Identify the phases of the business cycle and the problems caused by cyclical
			fluctuations in the market economy  The students are expected to learn how the principles of economics can be
		CO1	applied to sound decision making in public finance, and expected to learn all the
			important economic issues that government agents face.
		CO2	Understand the role and functions of the government in a modern economy and
	FISCAL ECONOMICS		issues related to market failure and government intervention
		CO3	Provide an understanding of concepts and theories of public economics and analyse the interrelationship between Centre, State and Local Governments.
			To study the recent trends in public expenditure, taxation and budgetary policy
		CO4	and understand the fiscal reforms in India.
		CO1	Develop ideas of the basic characteristics of Indian economy, its potential on
			natural resources  Understand agriculture as the foundation of economic growth and development,
		CO2	analyse the progress and changing nature of agricultural sector and its
	INDIAN ECONOMIC	332	contribution to the economy as a whole.
	DEVELOPMENT	CO3	To understand the role of economic policies in shaping and improving economic
			performance in agriculture, manufacturing and services.
		CO4	To have knowledge about the issues in Indian Economy like planning, poverty, unemployment etc
		CO1	Explain how the capital markets operate and helps to identify the main
		CO1	participants
		CO2	To understand the evolution, working and role of Debt Market in India.
5		CO3	To understand the role, functions of the various intermediaries and regulatory bodies.
	ECONOMICS OF CAPITAL		
	MARKET	CO4	To provide an overview of the Indian equity market, growth and development.
		CO5	To understand the role and functions of the various intermediaries and regulatory bodies in the Indian Equity Market
			To introduce the concept of Merchant Banking and the role of merchant bankers
		CO6	in issue of various financial instruments.
		C07	To study the issue of interational financial instruments such as ADRs and DRs.
		CO1	Students would learn how to deal economic problems with the help of mathematics.
			Students would know different types of economic functions like utility functions,
		CO2	production functions etc.
			To give students a solid foundation in both mathematics and economics,
		CO3	stressing those areas of mathematics and statistics that are most relevant to economics and the parts of economics that emphasize the use of
	MATHEMATICAL ECONOMICS		mathematics and statistics.
			The advance and technically rigorous nature of course would serve as an
		CO4	excellent foundation for students for studying economic with the help of
			mathematical tools.
		CO5	To apply mathematical techniques to the study of economic model, to formally represent economic relationships using mathematical forms &
		COS	present several economic functions and their relations.
		CO1	To introduce major financial instruments such as bonds, stocks, futures, and
		331	options and discuss techniques to value these diverse financial assets
		CO2	Explain standard asset pricing models, their underlying assumptions, and their usefulness in financial decision making
	FINANCIAL ECONOMICS	602	
		CO3	Apply general principles of asset pricing for evaluation of contingent contracts.
		CO4	Apply the principles that lead to the efficient formation of portfolios of stocks.
		CO5	Explain and demonstrate the use of derivatives
		CO1	Familiarize both theoretical and empirical aspects of international economics and
		COI	understand the consequences of global interdependence
		CO2	Students would know the country's position regarding international trade, payments and foreign exchange.
			The students would learn the methods regarding improvement in terms of trade,
	INTERNATIONAL	CO3	international debt and balance of payments positions
	ECONOMICS	CO4	Understand the importance of international trade and analyse various international trade theories
			international trade trieories

				Understand the importance and way to regulate international trade and the
			CO5	national economy in the global context
6			CO6	Study the level of international financial flows and understand the functions of
			COB	international institutions in the global economy
			CO1	Gain knowledge of the origin and development of economic ideas
		DEVELOPMENT OF ECONOMIC THOUGHT	CO2	To learn and discuss, at an advanced undergraduate level, how the economic thought has evolved over time, introducing students to the critical comparison of the contributions of the main schools of economics: the classical, the marginalist revolution and its application to the theories of general and partial equilibrium, the current macroeconomic debate between the neo-classical and the Keynesian school
			CO3	Gain confidence in evaluating economic ideas and understand the government policies from the perspectives of different economic ideas
			CO1	Students would be acquainted with the various perspectives of economic growth and its relevance.
			CO2	To promote understanding of theories of growth and development
		ECONOMICS OF GROWTH AND DEVELOPMENT	CO3	To familiarize the students with contemporary issues in economic growth and development
		1110 521 5201 111511	CO4	Students would understand the conceptual bases of income measurement, physical quality of life index, poverty, inequality and development gap and role of various institutions in economic growth and development.
			CO5	To know the policy analysis between developing and developed countries.
			CO1	To familiarise the students to study economics with an applied approach.
			CO2	Students would gain understanding of primarily about estimation and hypothesis testing
6		ELECTIVE COURSE - BASIC		To introduce regression analysis to students so that they are able to understand
		ECONOMETRICS	CO3	its applications in different fields in economics Students will be able to specify assumptions, formulate and estimate appropriate
			CO4	models, interpret the results and test their statistical significance.
Name of th	ne programn	ne		Bachelor of Arts, English and History
Short Name of t	he Programme			B.A. English & History
Code of the Prog				CCADER
Semester	Course code	Course Title	CO No:	Course Outcomes
	LUCA DOA	TRENDS IN	CO1	Understand the development of History as a discipline  To understand the various trends in the writing of History across the world
	HIS1B01	HISTORIOGRAPHY	CO2 CO3	To develop the skill among the students to write and learn History
			CO3	To introduce students to the language of literature, i.e., the meaning-making
			CO1	devices, verb phrases, collocations, linkers, sense groups and their functions in the literary text.
	ENG1B01	INTRODUCING LITERATURE	CO2	To train the students to identify the linguistic structures of poetic texts: symbols, metaphors, and other tropes and equip them in poetic conventions
			CO3	To recognize diverse points of view within a single text and to understand the rationale of polyphony
			CO4	To prepare students in reading literary/cultural texts closely, beyond the literal
	HIS2B02	S2R02 Trends in Indian	CO1	To expose the evolution of History as a discipline in India  To understand the paradigm shifts in the writing of History in India
	TIISZBUZ	Historiography	CO2	To familiarize the recent trends in the development of history writing
			CO1	To introduce the students to the basic elements of poetry, including the stylistic and rhetorical devices employed in poetry, and to various genres of poetry
	ENG2B02	APPRECIATING POETRY	CO2	To facilitate students to attain various perspective in reading poetry like gender, race, caste, ethnicity, religion, region, environment and nation
			CO3	To familiarize the learners with different forms of poetry written in British and American literature
			CO1	To understand the evolution and development of early society in India
	HIS3B04	INDIAN HISTORY-1	CO2	To create awareness about the culture and civilizations of ancient India
			CO3	To assimilate the recent approaches and developments early History
			CO1	To familiarize the students with different types of prose writing
	ENG3B03	APPRECIATING PROSE	CO2	To introduce to them the basic concepts of style and literary devices in prose
	2.103303	7.1.1.1.2.57(11113 T 1103E	CO3	To acquaint them with cultural diversity and divergence in perspectives
			CO4	To develop their critical thinking abilities and write creatively and critically
	1110.45.4	N.D.A	CO1	To familiarize the students about cultural and economic developments in medieval India
	HIS4B06	INDIAN HISTORY-2	CO2	To explicate the nature and formation state society in medieval India
			CO3	To learn about the advent of religions and foreigners to India and their impact in the polity, society culture and fine arts
			CO1	To familiarize the students with the key concepts of English grammar and to use
	ENG3B04	ENGLISH GRAMMAR AND USAGE	CO2	them more sensitively in their day-to-day communication needs  To help students towards a better language use through the understanding of the sentence patterns in English
				PACIFICAL DELICITIS III ETIBIISTI

			CO3	To help the students develop a sense of English grammar, idioms, syntax, semantics and their usage.
			CO1	Explain conventional social norms about male-female dichotomy and can device policies and strategies to foster gender equality and gender justice
	HIS4 B20 Gender Studies		CO2	Contribute to creative interventions that may result in a world with less inequali
		Gender Studies	CO3	Critically interrogate and actively engage in social processes related to the construction of gender
			CO4	Analyse social and cultural phenomena through the lens of gender in a way that appreciates a range of disciplinary perspectives
		CO1	To have an understanding of important texts and movements in the history of literary criticism	
	ENG4B06	LITERARY CRITICISM	CO2	To examine how literary criticism shapes literature and culture across centuries.
			CO3	To relate critical perspectives to the history of eastern and western ideas.
			CO4	To recognize and critique the major arguments underlying critical writings
			CO1	To introduce the students to the basic elements of drama, including the historic progress of drama in different continents
	ENG5B23	APPRECIATING DRAMA	CO2	To foster an ability in the students for appreciating drama as an art form
				To familiarize the students with the different genres and masters of drama
			CO3	To lead to a greater understanding of the human mind, of human
			CO1	communicative action and relations through an objective study of language
	ENG5B09	LANGUAGE AND LINGUISTICS	CO2	To familiarize students with key concepts of Linguistics and develop awareness of latest trends in Language Study
			CO3	To help students towards a better pronunciation and to improve the general standard of pronunciation in every day conversation and in reading
			CO1	To equip students to steer clear of misconceptions regarding women and to evolve a human perspective about them
	ENG6B11	VOICES OF WOMEN	CO2	To perceive gender as a social construct
				To arouse a keen interest in analysing critically the diversity of women's
			CO3	experiences across the world and to marvel at their creative skills
lame of th	ne programr	ne	CO3	
	ne programme	me	CO3	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English
ort Name of t	he Programme	me	CO3	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English
ort Name of the Prog	he Programme gramme			experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER
ort Name of t	he Programme	ne Course Title	CO No:	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of
ort Name of the Prog	he Programme gramme		CO No:	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative
ort Name of the Prog	he Programme gramme		<b>CO No:</b>	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation
ort Name of the Prog	he Programme gramme Course code	Course Title  Communication Skills in	<b>CO No:</b> CO1 CO2	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in
ort Name of ti de of the Prog Semester	he Programme gramme Course code	Course Title  Communication Skills in	CO No: CO1 CO2 CO3	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.
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ort Name of ti ode of the Prog Semester	he Programme gramme Course code FEN1B01	Course Title  Communication Skills in English	CO No: CO1 CO2 CO3 CO4	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have
ort Name of ti ode of the Prog Semester	he Programme gramme Course code FEN1B01 HIS1B01	Course Title  Communication Skills in English  Trends in Historiography	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participatio in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.
ort Name of ti de of the Prog Semester	he Programme gramme Course code FEN1B01	Course Title  Communication Skills in English	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participatio in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and
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ort Name of ti ode of the Prog Semester	he Programme gramme Course code FEN1B01 HIS1B01	Course Title  Communication Skills in English  Trends in Historiography  Advanced English Grammar	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage
ort Name of ti ode of the Prog Semester	he Programme gramme Course code  FEN1B01  HIS1B01  FEN2B02	Course Title  Communication Skills in English  Trends in Historiography	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage  The primary objective of this course is to expose the basic understanding about
nort Name of the prog Semester	he Programme gramme Course code  FEN1B01  HIS1B01  FEN2B02	Course Title  Communication Skills in English  Trends in Historiography  Advanced English Grammar	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3 CO1	Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage  The primary objective of this course is to expose the basic understanding about the developments of Historical consciousness in India among the students.  It also focuses to create awareness in the students about the major paradigm shifts in the Historical Writing and Thought in India.
nort Name of the prog Semester	he Programme gramme Course code  FEN1B01  HIS1B01  FEN2B02	Course Title  Communication Skills in English  Trends in Historiography  Advanced English Grammar	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage  The primary objective of this course is to expose the basic understanding about the developments of Historical consciousness in India among the students.  It also focuses to create awareness in the students about the major paradigm shifts in the Historical Writing and Thought in India.  To help learners understand the impact of communication technology on Englis and its pedagogy.
nort Name of the prog Semester	he Programme gramme Course code  FEN1B01  HIS1B01  FEN2B02	Course Title  Communication Skills in English  Trends in Historiography  Advanced English Grammar  Indian Historiography	CO No: CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3 CO1	experiences across the world and to marvel at their creative skills  Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage  The primary objective of this course is to expose the basic understanding about the developments of Historical consciousness in India among the students.  It also focuses to create awareness in the students about the major paradigm shifts in the Historical Writing and Thought in India.  To help learners understand the impact of communication technology on Englis and its pedagogy.  To expose them to the practical ways of using the internet for better acquisition of LSRW.
nort Name of the prog Semester	he Programme gramme Course code  FEN1B01  HIS1B01  FEN2B02	Course Title  Communication Skills in English  Trends in Historiography  Advanced English Grammar  Indian Historiography	CO No:  CO1  CO2  CO3  CO4  CO1  CO2  CO3  CO1  CO2  CO3  CO1  CO2  CO1  CO2  CO1  CO2	Bachelor of Arts, Functional English  B.A. Functional English  CCAFER  Course Outcomes  To develop confidence to respond in English during situation where the use of English is imperative  To develop fluency in actual conversation in the English language.  To develop the speech skills necessary for confident and intelligent participation in group discussion and to make formal and extempore speeches in English.  To develop the skills related to teamwork and to take up team leader roles in society as well as in future workplace.  The course is designed to expose to the beginners of History a basic understanding regarding the evolution of History as a discipline.  It will create awareness about the general development of History, History Writing and Thought around the world among the students.  It will also focus the methodological and philosophical shifts that have contributed to the growth of History as a discipline.  To enable the students to use English correctly and confidently in writing and speech.  To foster communicative competence by improving grammatical skills.  To introduce learners to the advanced areas of English grammar and usage  The primary objective of this course is to expose the basic understanding about the developments of Historical consciousness in India among the students.  It also focuses to create awareness in the students about the major paradigm shifts in the Historical Writing and Thought in India.  To help learners understand the impact of communication technology on Englis and its pedagogy.  To expose them to the practical ways of using the internet for better acquisition

				To provide learners listening and comprehension skills on internationally
3	FEN3B04	Applied Phonetics	CO2	acceptable English.
			CO3	To make learners achieve a mastery over English pronunciation
			CO4	To give an understanding of phonetics.
			CO1	The course on State and Society in Early India aims to impart the evolution and development and formation of state and society in ancient India.
				This will provide a general awareness to the students about early history and
	HIS3B03	Indian History I: State and	CO2	culture of our society and debates about the developments take place in this
		Society in Early India		period.
			CO3	It also enables the students to assimilate the latest research and studies going on
				in early history and culture of Indian society.
			CO1	To introduce the basic concepts of Linguistics and to familiarize the students with the fundamentals of modern linguistics
				To familiarize the students with the origin and development of language with
	FEN4B05	Fundamentals of Linguistics	CO2	special reference to English
		Linguistics	CO3	To provide a brief historical survey of the development of Modern Linguistics
			CO4	To develop in them the ability to do intensive reading for identifying specific
			CO1	Information
4	FEN4B06	Business English	CO1 CO2	To help students to learn the fundamentals of business correspondence.  To get practical knowledge in business correspondence.
	12114200	Business English	CO3	To equip students with better employability skills.
			CO1	This course is to explicate the nature of state and society in Medieval India.
	HIS4B04		CO2	It will help the students to understand the process of state formation, economic pattern and the social and cultural developments in the Medieval Indian society.
		Society in Medieval India		
			CO3	It attempts to introduce the advent of a new religion, polity, economy and culture and its influences in the fine arts, culture and history of the nation.
				To make students familiar with the basic theories of translation and to enable
			CO1	them to translate different types of texts from their mother tongue to English and
				vice versa.
	FEN5B07	Translation Studies		To make the study of language inter-lingual by initiating the students to translate
			CO2	texts from regional languages into English and from English into regional languages.
				To equip the students for the profession of translator in diverse fields by
			CO3	imparting training in translation.
				To create in the student an awareness of the basic theories and concepts related
			CO1	to communication and to give them basic training in writing for the newspaper.
	FEN5B08	Print Media	CO2	To introduce mass media and their characteristics to students.
	TENSBOO	Time Wedia	CO3	To familiarize them with the history and fundamentals of print media
5			CO4	To familiarize them with the characteristics of print media content and be a
			CO4	stepping stone for the student to be a print media professional.
			CO1	To impart a general critical understanding of the history of theatre and
		Theatre for		performance as a powerful medium of creative communication practice
	FEN5B09	Communication	CO2	To introduce the students to modern theatre practice with special focus on the proactive and interactive potential of drama and theatre.
				To stimulate creative exploration of ideas and expression of these ideas through
			CO3	dramatic forms and theatre conventions
			CO1	To initiate students into 20th Century Literary Theories and Critical approaches
		Contomporary Literature		, , , , , , , , , , , , , , , , , , ,
	FEN5B10	Contemporary Literary Theory	CO2	To provide them exposure to diverse theoretical practices and its applications
		THEO!	CO3	To make the students familiarize with contemporary theories and theoreticians
			CO4	To provide a larger framework of theory to enhance the taste of research
			CO1	The key aim of this course is to familiarise the graduate students about the area
				of Gender studies.
			CO2	It attempts to explain the socio-historical construction of sexual differences in the
	HIS4B05	Gender Studies		Indian society in a plural background.  The course visualises to understand the process of genderization takes place in
			CO3	the society and how it creates inequalities and how it becomes the basis of
				gender based violence in the society
			CO4	It enables the students to develop a better human relationship in the society.
			CO1	The course on Modern Indian History is to inculcate among students about the
			CO1	development and growth of nationalism and national movement in the country.
5	Luces	Indian History III: State and		It will introduce the life and achievements of the men who fought for the nation
	HIS5B06	Society in Modern India	CO2	and thereby it would be an inspiration for the youngsters to grow in patriotism
				and nationalism.
			CO3	It aims at framing the youth to be the future citizens of the nation and to
				participate them in the process of nation building.

				The service on Fords and Madical Manufactures and the service of t
		Kerala History I: State and	CO1	The course on Early and Medieval Kerala history would inculcate and enable them to understand the formation of state and society in the pre modern period at the regional level.
	HIS5B07	Society in Early and Medieval Kerala	CO2	It helps them to know more about their society and culture at the local level.
			CO3	Understanding the local and regional culture, traditions, history and movements enable them to develop a broader vision about the world
			CO1	To help learners understand the basic principles underlying the practice of teaching English as a second language.
	FEN6B11	English Language Teaching	CO2	To expose them to the practical ways of teaching English language using different methods.
			CO3	To help learner develop a taste for teaching English effectively.
			CO4	To develop in learners ability for critical reflections on their own and fellow-learners' method of teaching English.
	FEN6B12	Electronic Media	CO1	To give the students basic training in writing for electronic media such as radio and TV and the Internet.
6			CO2	To equip the learners with the practical skills needed to work in electronic media
			CO1	To familiarize the learners with all the basic concepts and components of different genres of creative writing.
	FEN6B13	Creative Writing	CO2	To ignite their creative writing talents through controlled and free practice.
			соз	To develop their critical and analytical skills in appreciating works written by peers.
				To introduce students to film studies as a discipline and to develop in them
	FEN6B14	Film Studies	CO1	analytical and critical skills so that they can appreciate cinema as an independent
	FEN6B14	Film Studies		art form.  To prepare the students to find an entry point to the higher level of
			CO2	understanding of contemporary film theories.
		Elective 1 – Language for Advertising : Theory and Practice	CO1	To gain an understanding of the role of advertising within the corporate world.
	FEN6B15		CO2	To examine communication and advertising theories and their relationship with consumer behaviour.
			CO3	To develop knowledge of advertising strategy and planning.
			CO4	To examine the importance and use of creativity in advertising.
6	FEN6B16	Elective 2 – Women Studies	CO1	To introduce students to experiences unique to women and to the fundamental precepts of the feminist movement
			CO2	To identify the polyphonic quality of women's voices.
	FEN6B17	Project	CO1	The project is expected to be a specimen document that reflects the student's competence in and mastery of English, ingenuity and workmanship. It provides space to the student's expression of her/his talent, potential and skill in creating his own artifact/product based on the knowledge and art he had acquired through the three years programme.
	HIS6B08	Indian History IV: Contemporary India	CO2	through the three-year programme.  The course offers a wide range of topics related to diverse functions of English such as Translation, Media writing, advertisements, investigative journalism and the like.
			CO1	The course on Contemporary India is to understand the society where they live and enable them to live in a better manner.
			CO2	It will enable them to understand the social, economic and political developments in the post independent India and thereby to mould their life accordingly.
			CO3	It visualises to introduce the students about our diplomacy and relationships with the international community.
6	HIS6B09	Kerala History II: State and Society in Modern Kerala	CO1	The course on Modern Kerala History intents to inculcate among the students the role and participation of their kith and kin in the nation building process at the regional level.
			CO2	It would enable them to understand values and ideas nourished and developed at the regional level and help them to imbibe it their life.
			CO1	The Dissertation aims to develop a spirit of research aptitude among the students.
	HIS6B010	Dissertation	CO2	It would improve their writing skill, critical thinking and the reasoning ability.
			CO3	The Dissertation would enable to develop their analytical abilities  It also aims to extend their academic knowledge to the society and find solutions
Name of th	e programn	10	CO4	to the problems in the society they live  Bachelor of Science, Computer Science
Short Name of the Programme  Code of the Programme				B.Sc. Computer Science CCASCS
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To equip the students with fundamentals of Computer
		Computer Fundamentals	CO2	To learn the basics of Computer organization
1	BCS1B01	& HTML	CO3	To equip the students to write algorithm and draw flow chart for solving simple problems
			CO4	To learn the basics of Internet and webpage design

			H .	H.
			CO1	To equip the students with fundamental principles of Problem Solving aspects.
	BCS2B02	Problem Solving Using C	CO2	To learn the concept of programming
			CO3	To study C language
2			CO1	To make the students learn web designing
		Programming Laboratory I:	CO2	To make the students learn programming environments.
	BCS2B03	HTML and Programming in	CO3	To practice procedural programming concepts.
		C	CO4	To make the students equipped to solve mathematical or scientific problems
			CO1	using C To introduce the concept of data structures
3	BCS3B04	Data Structures Using C	CO2	To make the students aware of various data structures
J	2000201	Duta structures comig c	CO3	To equip the students implement fundamental data structures
			CO1	To learn the basic principles of database and database design
	BCS4B05	Database Management	CO2	To learn the basics of RDBMS
	BC34BU3	System and RDBMS	CO3	To learn the concepts of database manipulation SQL
			CO4	To study PL/SQL language
4			CO1	To make the students equipped to solve mathematical or scientific problems
	BCS4B06	Programming Laboratory II:Data Structures and	CO2	using C
	BC34B00	RDBMS	COZ	To learn how to implement various data structures.  To provide opportunity to students to use data structures to solve real life
			CO3	problems.
	DCCE DOZ	Computer Organization	CO1	To learn logic gates, combinational circuits and sequential circuits
	BCS5B07	and Architecture	CO2	To learn basics of computer organization and architecture
			CO1	To review on concept of OOP.
	BCS5B08	Java Programming	CO2	To learn Java Programming Environments.
			CO3	To practice programming in Java.
_			CO4	Knowledge in OOP & Programming
5		Woh Drogramming using	CO2	To review on concept of OOP.
	BCS5B09	Web Programming using PHP	CO3	To learn Java Programming Environments.  To practice programming in Java.
			CO4	To learn GUI Application development in JAVA
			CO1	To learn engineering practices in Software development.
	BCS5B10	Principles of Software	CO2	To learn various software development methodologies and practices.
		Engineering	CO3	To learn and study various Evaluation methods in Software Development.
			CO1	To have a review on concept of Android programming.
	BCS6B11	Android Programming	CO2	To learn Android Programming Environments.
			CO3	To practice programming in Android.
			CO4	To learn GUI Application development in Android platform with XML
			CO2	To learn objectives & functions of Operating Systems.  To understand processes and its life cycle.
	BCS6B12	Operating Systems	CO3	To learn and understand various Memory and Scheduling Algorithms.
			CO4	To have an overall idea about the latest developments in Operating Systems
			CO1	To learn about transmissions in Computer Networks.
	BCS6B13	Computer Networks	CO2	To learn various Protocols used in Communication.
			CO3	To have a general idea on Network Administration.
			CO1	To practice Java programming.
6		Programming Laboratory	CO2	To practice client side and server side scripting.
	BCS6B14	III: Java and PHP	CO3	To practice PHP Programming.
		Programming	CO5	To practice developing dynamic websites.
		Programming Laboratory	CO1	To practice how to interact with databases through PHP.  To practice Android programming.
		IV: Lab Exam of Android	CO2	To practice android programming.  To practice user interface applications.
	BCS6B15	and Linux Shell	CO3	To develop mobile application.
		Programming	CO4	To practice shell programming
	BCS6B17	Industrial Visit and Project	CO1	To provide practical knowledge on software development process
		Work	CO1	To build fundamental knowledge in system software.
	BCS6B16a	System Software	CO2	To learn functions of various system software.
			CO3	To learn specifically learn compilation process of a program.
lame of the programme				Bachelor of Business Administration
hort Name of the Programme				BBA
ode of the Programme  ode of the Programme				CCABBA
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	Discuss different schools of management thought
				Understand apply the concepts of planning, organizing, staffing and
	BBA1B01	Management Theory and	CO2	controlling for effective management
	DBAIBUI	Practices		Aware and apply the ethically and socially responsible behaviour in
			CO3	Management
			CO4	Aware and pursue the modern management practices in business

1				Acquire knowledge regarding relevant economic concepts applicable in
_	BBA1C01	Managerial Economics	CO1	managerial decisions
			CO2	Design competition strategies, including costing, pricing, product differentiation and market environment according to the natures of products and the structures of the markets.
			CO3	Make optimal business decisions by integrating the concepts of economics
				Discuss and apply fundamental accounting concepts, principles and
	DDA 2D02	Figure 1 A constitution	CO1	conventions  Record basic accounting transactions and prepare annual financial statements for
	BBA2B02	Financial Accounting	CO2	a sole proprietorship business
2			соз	Record accounting transactions in respect of hire purchase and instalment system and branches
			CO1	Understand and develop insights and knowledge base of various concepts
	BBA3B03	Marketing Management		that driving marketing strategies.  Develop skills in organizing for effective marketing and in implementing
			CO2	the market planning process
			CO1	Understand and apply fundamental IndASs on inventories, PPE, provisions, income tax, borrowing cost and intangible assets
	BBA3B04	Corporate Accounting		Prepare annual financial statements for companies and compute
			CO2	accounting ratos.  Record accounting transactions in respect of redemption of preference
			CO3	shares and debentures
3		Financial Management	CO1	Understand and develop insights and knowledge base of various concepts of finance
	BBA3B05			Develop skills for effective Financial, Investment and Dividend decisions
			CO2 CO1	making Analyse statutory provisions and the core concepts in business laws
			COI	Analyze legal issues arising in day-to-day business operations prevalent in
	BBA3C02	Business Regulations	CO2	India
			CO3	Discuss possible solutions to issues in organisations in the frame work of business laws
				Understand cost and management accounting concepts and its application
		Cool C Management	CO1	for decision making.
	BBA4B06	Cost & Management Accounting	CO2	Aware as tocost consciousness and the various methods and techniques of costing
				Understand cost and management accounting concepts and its application
			CO3	for decision making.  Understand the features and different types of companies
				Aware as to the formation of companies and also as to different documents of
4			CO2 CO3	companies Understand the share capital and other relevant provisions of the same
	BBA4C03	Corporate Regulations	COS	Understand the management, corporate governance, corporate social
			CO4	responsibility and some basic aspects of SEBI
			CO5	Understand the provisions of conducting meetings and also the winding up procedure of companies
			604	Understand and develop insights and knowledge base of various concepts
	BBA4C04	Quantitative Techniques for Business	CO1	of Quantitative Techniques  Develop skills for effectively analyze and apply Quantitative Techniques in
			CO2	decision making
	BBA5B07	Human Resources	CO1	Develop insights on various concepts and functions of Human Resource  Management
	55/(5507	Management	CO2	Learn the latest trends in Human Resource Management
	DD 4 5 500	Business Research	CO1	Understand and develop insights and knowledge base of various concepts
	BBA5 B08	Methods	CO2	in Research Develop skills for conducting business research
			CO1	Understand the different concepts of operation Management
5	BBA5 B09	Operations Management	CO2	Acquire the knowledge to make plans at the operational level of an industry
			CO2	To understand the latest provisions of Income Tax Act Law
	BBA5 B10	Income Tax	602	Enable students to compute different heads of income as well as total
			CO2	income and tax liability  To understand different aspects and components of financial Institutions
	BBA5 B11	Financial Markets and Institutions	CO1	and financial markets
		istitutions	CO2	To take rational decisions on financial market and institutions
			CO1 CO2	Understand the different concepts of Organisational Behaviour  Analyse individual and group behaviour
	BBA5 B12	Organisational Behaviour		Understand and deal with organisational change, development and stress
			CO3	one stand and dear with organisational change, development and stress

	BBA5B13	Management Science	CO1	To learn different OR techniques useful in managerial decisions
	DDAED14		CO1	Understand the different concepts of managing a project
	BBA5B14	Project Management	CO2	Analyse the viability of a project
6	BBA5B15	Financial Services	CO1	To aware of various financial services available in Indian financial system
			CO2	To provide an understanding of the various financial services and
			COZ	investment opportunities available in the country  To become aware of various investment opportunities from an investor's
			CO1	perspective of maximizing return on investment
	BBA5B16	Investment Management		To provide a theoretical framework for the analysis and valuation of
			CO2	investments
Name of th	e programn	ne		Bachelor of Commerce, Professional
Short Name of th				B.Com. Pro
Code of the Prog		0	CONo	CCABCP
Semester	1.1 BCP	Course Title  English	CO No:	Course Outcomes
	1.2 BCP	Second Language		
	4.3.000	Principles And Practice Of	CO1	To enable the students to acquire conceptual knowledge of the financial accounting principles and practices
	1.3 BCP	Accounting	CO2	To equip the students with the skill of preparing accounts for various type of organisations
				To enable the students to understand micro and macro economic concepts
1	1.4 BCP	Managerial Economics	CO1	relevant for business decisions  To help the students to understand the Application of economic principles in
			CO2	business management
			CO1	To enable the students to acquire knowledge of mathematics and statistics.
	1.5 BCP	Numerical Skills		At the end of this course, the students should have understood set operations, matrix and mathematics of finance, descriptive statistical tools and their
			CO2	applications.
	2.1 BCP	Financial Accounting	CO1	To equip the students with the skills of preparing financial statements for various types of organisations
			CO2	To enable the students to acquire knowledge about financial reporting standards and to understand corporate accounting methods  To enable the students to understand the process of business management, its
	2.2 BCP	Business Management and Entreprenuership	CO1	functions and familiarize with current management practices
2			CO2	To familiarise the students with the concept of entrepreneurship and to identify and develop entrepreneurial skills
	2.3 BCP	BUSINESS REGULATIONS	CO1	To familiarise the students with certain statutes concerning and affecting business organisations in their operations
	2.4 BCP	BUSINESS COMMUNICATION	CO1	To equip the students effectively to acquire required skills to manage business communication as also to use electronic media for business communication
	2.5 BCP	Quantitative Techniques	CO1	To familiarize the students with the use of quantitative techniques in managerial decision making
	3.1 BCP	For Business  Corporate Accounting		To help the students to acquire conceptual knowledge of the fundamentals of the
		Income Tax Law And	CO1	corporate accounting and the techniques of preparing the financial statements  To provide basic knowledge and equip them with application of principles and
	3.2 BCP	Practice	CO1	provisions of Income Tax Act 1961
	3.3 BCP	Cost Accounting	CO1	To familiarize students with the various concepts and elements of cost
	J.J DCF	Cost Accounting	CO2	To create cost consciousness among the students
3	3.4 BCP	Marketing Management	CO1	To provide the students basic knowledge about the concepts,principles,tools and techniques of marketing and also modern methods and techniques of marketing
			CO2	To impart necessary knowledge which help the student to choose a career in the field of marketing  To familiarize the students with corporate law and to make them aware of the
	3.5 BCP	Corporate Regulations	CO1	importance of corporate governance in the management of organisations  To familiarize the students with the Companies Act 2013 and its important
			CO2	provisions as amended up to date
	4.1 BCP	Applied Cost Accounting	CO1	To acquaint the students with different methods and techniques of costing
	4.2 BCP	Business And Corporate Taxation	CO1	To acquaint the students with the theoretical and practical aspects of assessing business and corporate entities and familiarize with the procedure for filing of Income Tax returns
		Industrial and Labour	CO1	To enable the students to acquire knowledge about prominent industrial and
4	4.3 BCP	Regulations	CO1	labour laws To acquaint the students with the techniques and principles to manage human
4	4.4 BCP	Human Resource	CO1	resources in an organisation
		Management	CO2	To equip the students with basic knowledge and skills required for the acquisition, development and retention of human resources
			CO2	assaurasinguere reprincing and recention of number resources

	4.5 BCP	E - Commerce Management	CO1	To enable the students to understand basics of E-Commerce and gain a practical orientation to E-Commerce and E-Business management  To understand the mechanism for excelling in E-commerce based employment
	4.5 BCP	Management	CO2	
				opportunities
				To enable the students to undestand the concept and relevance of Management
	5.1 BCP	Accounting For Managerial Decisions	CO1	Accounting  To provide the students an understanding about the use of accounting and
		5600.00	CO2	costing data for planning ,control and decision making
	E 2 DCD	Figure 1:1 Management		To familiarize the students with the concepts, tools and practices of financial management and help them to gain knowledge of management and financing or
	5.2 BCP	Financial Management	CO1	working capital
			CO2	To impart knowledge about financing and investment decisions  To impart knowledge about auditing principles, procedures and techniques in
5	5.3 BCP	Auditing And Assurance	CO1	accordance with current legal requirements and professional standards
	5.4 BCP	Financial Markets and Services	CO1	To provide the students a basic knowledge of financial markets and services
	5.5 BCP	Business Research Methods	CO1	To enable students for acquiring basic knowledge in business research methods and to develop basic skills in them to conduct survey researches and case studie
				To make the students aware about office automation ,information system and
	5.6 BCP	Information Technology For Business	CO1	communication technologies used in business  To enable the students to have thorough knowledge about database
			CO2	management systems and its relevance in various business enterprises
	6.1 BCP	Strategic Management	CO1	To develop an understanding of the general and competitive business environment
			CO2	To develop understanding of strategic management concepts and techniques
			CO1	To enable the students to acquire basic knowledge in the computerised accounting systems and its applications in the area of business
	6.2 BCP	Computerised Accounting		To equip the students to meet te demands of the industry by developing practic
			CO2	skills in the application of Tally package  To enable the students to understand the importance of Indirect Taxes in the
	6.3 BCP	Indirect Taxes Law And Practice	CO1	Indian economy
6			CO2	To impart basic knowledge about Excise Duty, Customs Duty, CST,VAT and Service Tax and the practical assessment of tax burden
	6.4 BCP	Banking And Insurance Management	601	To enable the students to acquire knowledge about basics of Banking and Insurance
			CO1	To familiarize the students with the modern trends in banking
				To enable the students to understand the importance of corporate governance
	6.5 BCP	Corporate Governance And Business Ethics	CO1	and ethics in business  To have an understanding of ethical issues in business and to acquire knowledge
lama of the			CO2	and capability to develop ethical practices for effective management  Bachelor of Commerce, Finance
Name of the		ne		B.Com Finance
ode of the Progr				CCABCM
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To understand the process of business management and its functions
	BCM1B01	Business Management	CO2	To familiarize the students with current management practices
	DC144.4.04	Fuellala	CO3	To understand the importance of ethics in business
	BCM1A01	English		
1	BCM1A02 BCM1A07	English  Language		
	BCM1C01	Managerial Economics	CO1	To acquaint students with the basic principles of micro and macro economics fo developing the understanding of theory of the firm,markets and the macro environment which would help them in managerial decision making processes
	BCM2B02	Financial Accounting	CO1	To equip the students with the skill of preparing financial statements for various types of organizations
	JUNEDUZ		CO2	To enable the students to acquire knowlwdge about financial reporting standard and to understand corporate accounting methods
	BCM2A03	English		
2	BCM2A04	English		
	BCM2A08	Language		
	BCM1C01	Managerial Economics		To acquaint students with the basic principles of micro and macro economics fo developing the understanding of theory of the firm, markets and the macro
	BCIVITCUT		CO1	environment which would help them in managerial decision making processes

	всмзв04	Corporate Accounting	CO1	To help the students to acquire conceptual knowledge of the fundamentals of the corporate accounting and the technoques of preparing the financial statements
			CO1	To acquire knowledge of numerical equations, matrices progressions, financial mathematics and descriptive statistics
3	BCM3A11	Basic Numerical Methods	CO2	To understand numerical equations, matrix, progression, financial mathematics, descriptive statistics and their applications
			CO2	To update and expand basic informatics skills of the students
	BCM3A12	Professional Business Skills		To equip the students to effectively utilize the digital knowledge resources for
			CO2	their study
		Human Resources	CO1	To familiarize the students with the different aspects of managing human resource in an organisation
	BCM3C03	Management		To equip the students with basic knowledge and skills required for the
			CO2	requisition, development and retention of human resources
	BCM4B05	Cost Accounting	CO1	To familiarize the students with the various concepts and elements of cost
	26263	eest / teesanting	CO2	To create cost conciousness among the students
	BCM4B06	Corporate Regulations		To familiarize the students with corporate law and to make them aware of the
			CO1	importance of corporate governance in the management of the organizations
		Entrepreneurship	CO1	To familiarize the students with the concept of entrepreurship
4	BCM4A13	Development	CO2	To identify and develop the entrepreneurial talents of the students
		<u> </u>	CO3	To generate innovative business ideas in the emerging industrial scenario
	BCM4A14	Banking and Insurance	CO1	To enable the students to acquire knowledge about basics of banking and insurance
	BCIVI4A14	ballking and insurance	CO2	To familiarize the students with the modern trends in banking
		Quantitative Techniques		To familiarize students with the use of quantitative techniques in managerial
	BCM4C04	for Business	CO1	decision making
	BCM5B07	Accounting for		To enable the students to understand the concept and relevance of management
	DCIVIDBU/	Management	CO1	accounting
	BCM5B08	Business Research Methods	CO1	To enable students for acquiring basic knowledge in business research methods and to develop basic skills in them to conduct survey researches and case studies
	DCM 4F DOO	Income Tax Law and		To impart basic knowledge and equip students with application of principles and
	BCM5B09	Accounts	CO1	provisions Income- Tax Act,1961 amended up to date
	BCM5B10	Financial Markets and		To any ide having a second and a second and a second and in a few
	(Elective - Finance)	Services	CO1	To provide basic knowledge about the structure, organization and working of financial system in India
	rillalice)		CO1	To familiarize the students with the concepts, tools and practices of financial
5	BCM5B11		CO1	management
	(Elective - Finance)	Financial Management	CO2	To learn about the decisions and processes of financial management in a business firm
	BCM5B10		CO2	To provide knowledge on basic principles of taxation
	(Elective -	Principles of taxation	001	To familiarise the students with the structure of Indian Taxation system and
	Taxation)		CO2	constitutional provisions pertaining to taxes
	BCM5B11			To enable the students to understand the importance of Indirect taxes in the
	(Elective -	Indirect Taxes Law and Practice	CO1	Indian economy
	Taxation)		CO2	To impart basic knowledge about Indirect taxes and the practical assessment of tax burden
			CO2	To enable the students to acquire knowledge of Accounting Principles and
	BCM5D01	Basic Accounting	CO1	Practice
	BCM6B12	Income Tax and GST	CO1	To impart basic knowledge and equip students with application of principles and provisions Income- Tax Act, 1961 and GST Act 2016
		Auditing and Corporate		To provide knowledge of auditing principles and techniques and to familiarize the
	BCM6B13	Governance	CO1	students with the understanding of issues and practices of corporate governance in the global and Indian context
	BCM6B14	Fundamentalis		
	(Elective-	Fundamentals of Investments		
	Finance)	mvestments	CO1	To familiarize the students with the world of investments
6	(Elective-	Financial Derivatives	CO1	To acquire knowledge about financial derivatives and their features  To know about various risks associated with derivatives
	Einanco\ BCM5B14		CO2	To provide practical skills on the computation of taxable income and tax liability
	(Elective -	Income Tax Assessment	CO1	of various assessees
	Taxation)		CO2	To familiarise the students with the procedure for filing of income tax returns
	BCM5B15	Corporate Taxation and	CO1	To familiarise the students with the latest provisions of the Indian Corporate Tax
	(Elective - Taxation)	Tax Planning	CO1	Laws and to learn about the computation of taxable income of companies
	i axation)		CO2	To acquaint with the concept of Tax Planning and Tax Management under Income Tax Law
Name of th	ne programi	me		Bachelor of Science, Zoology
Short Name of the	he Programme			B.Sc. Zoology
Code of the Prog	gramme			CCASZL

Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	Describe the principles of classification and nomenclature
			CO2	Explain the five kingdom classification of living organisms
			CO3	Understand the concepts of classification of animals
				Explain the classification with examples and characteristic features of kingdom Protista and describe the morphology and structural organization
			CO4	of Paramecium
			CO5	Describe the characteristic features of subkingdom Mesozoa
		Animal Diversity (Non	CO6	Explain the classification of phylum Porifera and elucidate the salient features of each class
1	ZOL1B01T	Animal Diversity:Non- Chordata Part -I	COB	Describe the characteristic features of phylum Cnidaria and Ctenophora,
		Cilordata Fait -		illustrate the classification of phylum Chidaria down to classes and explain
			CO7	the structural organization of <i>Obelia</i>
				Explain the salient features of phylum Platyhelminthes and illustrate its
			CO8	classification down to classes
				Explain the characteristic features and classification of super-phylum
			CO9	Aschelminthes and phylum Nematoda
				Elucidate the characters of Pseudocoelomate minor phyla Rotifera and
			CO10	Gastrotricha
				Explain the classification with examples and characteristic features of
			CO1	phylum Annelida and describe the morphology and structural organization
			COI	of Neanthes  Describe the distribution, peculiarities and affinities of phylum
			CO2	Onychophora
				Explain the classification of phylum Arthropoda; elucidate the salient
				features of each class and describe the morphology and structural
2	ZOL2B02T	Animal Diversity:Non-	CO3	organization of <i>Penaeus</i>
2	20128021	Chordata Part -II		Describe the characteristic features of phylum Mollusca, illustrate its
			604	classification down to classes and explain the structural organization of
			CO4	Pila globosa
			CO5	Explain the salient features of phylum Echinodermata and illustrate its classification down to classes
			CO6	Understand the salient features and affinities of phylum Hemichordata
				Elucidate the characters of coelomate minor phyla Phoronida, Ectoprocta
			CO7	and Echiura
				Explain the characteristics of chordates and outline classification of the
			CO1	phylum Chordata
				Describe the salient features and affinities of subphylum Urochordata and
			CO2	its classification down to classes; elucidate the morphology and structural
			COZ	organization of Ascidia  Explain the salient features and affinities of subphylum Cephalochordata
			CO3	with reference to Branchiostoma
				Describe the salient features of subphylum Vertebrata, illustrate its
		Animal Diversity (Chardata		classification down to classes and elucidate the characteristics of division
3	ZOL3B03T	Animal Diversity :Chordata  Pat I	CO4	Agnatha (3 hrs)
				Enumerate the salient features of superclass Pisces and illustrate its
			CO5	classification down to orders and the morphology and structural
			203	Organization of Mugil cephalus  Describe the salient features and affinities of class Amphibia and its
				classification up to orders; explain the morphology and organ systems of
			CO6	Hoplobatrachus tigerinus
				Elucidate the characteristic features of the class Reptilia and its
				classification down to orders; describe the morphology and organ systems
			CO7	of Calotes versicolor
			CO1	Describe the classification of class Aves down to orders, salient features of
	ZOL4B04T		201	each order with suitable examples
		Animal Divorcity	CO2	Describe the external characters and functional systems of Columba livia
		Animal Diversity :Chordata Pat II		Enumerate the salient features and classification of class Mammalia down
		.Cilordata Fat II	CO3	to orders with suitable examples
			604	Elucidate the external characters and functional systems of <i>Oryctolagus</i>
			CO4	cuniculus
			CO5	Compare the circulatory, excretory and nervous systems of vertebrates
4				Identify and describe specified protists and accelemate &
				pseudocoelomate non- chordates and perform the culture of selected protists; understand the histological features of coelenterate,
			CO1	platyhelminth and nematode.
	"		1	

				Identify and describe specified coelomate non-chordates and the
		Practical I : Animal		transverse sections of annelids; Perform mounting of the specified organs
	ZOL4B05P	05P Practical I : Animal Diversity CC	CO2	of selected non- chordates.
				Identify and describe specified chordates and specified bones of
			603	chordates; Prepare key for identification of venomous snakes; Perform
			CO3	mounting and dissection of specified organ systems of chordates.
			CO4	Identify and describe selected vertebrates and specified bones of vertebrates.
				Understand the principles and applications of various types of light
				microscopes, electron, Scanning-tunnelling and Atomic force microscope and illustrate the histological and histochemical processing of tissues.
			CO1	
				Explain the basic structure of a eukaryotic cell and the structure and
			CO2	functions of plasma membrane, mitochondria, lysosome, cytoskeletal elements and interphase nucleus
				Illustrate the nucleosome organization of chromatin and higher order
			CO3	structures; structure of chromosomes and giant chromosomes.
				Enumerate eukaryotic cell cycle and cell division by amitosis, mitosis and
			CO4	meiosis.
				Explain the causes of transformation, characteristics of transformed cells
			CO5	and the role of protooncogenes and tumor suppressor genes in malignant transformation; mechanism and significance of apoptosis.
				Enumerate allelic and non-allelic gene interactions; supplementary,
5	ZOL5B06T	Cell Biology and Genetics		complementary, polymeric, duplicate and modifying genes and polygenic
			CO6	inheritance.
			CO7	Illustrate multiple allelism and solve problems related to blood group
			CO7	inheritance.  Explain characteristics of linkage groups and linkage map; crossing over
				and calculation of recombination frequency; sex-linked, sex-influenced
				and sex-limited characters; sex differentiation and disorders of sexual
			CO8	development .
				Describe the mechanisms of sex determination including chromosomal,
				genic, haploid-diploid mechanisms; the hormonal and environmental
			CO9	influence on sex determination and gynandromorphism.
			CO10	Explain mutagenesis, mutagens and chromosomal and gene mutations.
				Enumerate the classification and grouping of human chromosomes;
			CO11	numerical and mutational human autosomal and sex chromosomal
			CO1	anomalies; polygenic human traits and genetic counseling.  Illustrate the steps in genetic engineering and animal cell culture .
				Explain transfection methods, transgenic animals and ethical issues of
			CO2	transgenic animals.
			CO3	Enumerate the applications of biotechnology.
		Biotechnology,Microbiolog y and Immunology	504	Understand the biological diversity of microbial forms and the various
			CO4 CO5	techniques for handling microbes in the laboratory.
5	ZOL5B07T		CO6	Enumerate the basic structure and life cycle of bacteria and virus.  Understand the industrial and medical importance of microorganisms.
		, , , , , , , , , , , , , , , , , , , ,		Describe different types of immunity and the cells and organs of the
			CO7	immune system.
			500	Explain antigen, antibody, immunity and major histocompatibility complex.
			CO8	
			CO9	Enumerate autoimmune and immunodeficiency diseases and immunology of tumor and organ transplantation.
				Understand the elements of biological importance and the non-covalent
			CO1	interactions that stabilize biomolecules .
			coa	Describe the classification, types, structure, reactions and biological roles
			CO2	of carbohydrates, and diabetes Type I and II.
				Enumerate the properties and classification of amino acids and their standard abbreviations; hierarchial levels of protein structure,
			CO3	classification, separation, purification and sequencing of proteins.
				Explain the classification and functions of lipids and fatty acids; chemistry
			CO4	and structure of nucleic acids and sequencing of DNA.
				Understand the classification, nomenclature and properties of enzymes;
			CO5	enzyme action, co-enzymes, cofactors, isozymes, ribozymes and allosteric enzymes.
		Dis. I		Explain glycolysis, Kreb's cycle, glycogenesis, glycogenolysis,
5		Biochemistry and Molecular Biology		gluconeogenesis, HMP pathway; amino acid and fatty acid oxidation and
			CO6	oxidative phosphorylation .
			CO7	Describe the mechanism of DNA duplication and the role of enzymes .

			CO8	Understand the concept of gene and gene expression; genetic code and wobble hypothesis .
		CO9	Explain the mechanism of transcription and post-transcriptional modification of hnRNA.	
			CO10	Enumerate the processes of translation and post-translational
			CO10	modification and targeting of peptides .  Describe the regulation of <i>trp</i> operon, C-value, repetitive DNA, satellite
				DNA, selfish DNA, overlapping genes, pseudogenes, cryptic genes,
			CO11	transposons and retrotransposons .
				Explain the structure and life cycle of bacteriophages and the gene
	ZOL5B08T		CO12	transfer mechanisms in bacteria .
				Explain science, its importance, disciplines and the major steps in formulating a hypothesis, various hypothesis models, theory, law and
			CO1	importance of animal models, simulations and virtual testing.
				Illustrate the principles and procedures in designing experiments and
			CO2	elaborate the requirements for carrying out experiments.
			CO3	Describe the ethical concerns in practicing science.
			CO4	Understand the Scope and role of statistics; methods and procedures of
		Methodolgy In	CO4	sampling; Construction of tables, charts and graphs.
5	ZOL5B09T	Science, Biostatistics and		Calculate central tendency and measures of dispersion and application of
		Bioinformatics	CO5	its knowledge on hypothesis testing as well as in problem solving.
			CO6	Enumerate major biological databases and database search engines.
				Perform DNA and protein sequence analysis, including sequence
			CO7	alignment and sequence similarity search using BLAST, FASTA, CLUSTAL W and CLUSTAL X .
				Understand molecular phylogenetics and tools and methods for
			CO8	construction of phylogenetic trees.
				Explain genome sequencing technologies, functional genomics, proteomic
			CO9	technologies and molecular docking and drug design .
				Perform experiments in cell biology and genetics including demonstration of Barr body in buccal epithelial cells of man, polytene chromosome in the
				salivary glands of <i>D. melanogaster</i> larva, mitotic division in onion root tip
				cells, micrometry of microscopic objects, prepare whole mounts of
			CO1	microscopic objects, and calculate mitotic and metaphase index from
			CO1	slides.  Enumerate the inheritance of major human genetic traits, pedigree chart,
				normal and abnormal human karyotypes, phenotypic differences of male
				and female <i>Drosophila</i> and solve problems on Monohybrid, dihybrid
			CO2	crosses, blood groups and sex-linked inheritance.
	70160450			Understand electrophoresis, PCR, Northern blotting, Southern blotting
6	ZOL6B15P	Practical II	CO3	and Western blotting, DNA sequencing and fingerprinting and isolation of genomic DNA.
				Perform gram staining and preparation of culture media for bacteria and
			CO4	demonstrate bacterial motility by standard laboratory protocols.
			COL	Understand the detection of human blood groups and organs of immune
			CO5	system  Perform standard biochemical tests for the detection of reducing and
			CO6	nonreducing sugars, polysaccharides, proteins and lipids.
				Understand the staining of mitochondria, tissue homogenization and
			607	isolation of nuclei, effect of colchicines on cell division, extraction of DNA
			CO9	and polyacrylamide and agaros egel electrophoresis
			CO8	Solve basic problems in biostatistics and Bioinformatics  Describe the regulation of digestion in man, nutrition in pregnancy and
				infancy, nutritional disorders, balanced diet, starvation, fasting and
			CO1	obesity.
				Understand the mechanism of transport and exchange of respiratory
			CO2	gases and its neurophysiological control and physiological problems in
			CO2	diving mammals, new-born and aged individuals.  Describe functions, composition, coagulation, transfusion, agglutination
				and clinical analysis of blood, haemoglobinopathies, types of heart and
			CO3	common cardio-vascular problems.
		Physiology and		Understand the osmoregulatory mechanisms in animals; excretion and its
6	ZOL6B10T	Endocrinology	CO4	hormonal control and common renal disorders in man.
			CO5	Explain the ultrastructure of skeletal muscles and biochemical events and
				energetics of muscle contraction.  Understand the different types of nerve cells, glial cells and nerve fibres,
			CO6	and the mechanism of nerve impulse transmission
			I.	

				Understand the types, physiology and significance of bioluminescence,
			CO7	and the structure and functions of electric organs.
				Describe invertebrate neuro-endocrine organs and hormones, vertebrate
			CO8	endocrine glands, their hormones and functions.
				Understand the concept of neurosecretion and the mode of action of
			CO9	peptide and steroid hormones.
			CO1	Explain the reproductive strategies in invertebrates and vertebrates and structural and functional features of human reproductive system
				Describe process of fertilization, pregnancy, gestation, placentation,
			CO2	parturition and lactation in humans.
			CO3	Explain the scope of reproductive technologies in infertility management; prenatal diagnostic techniques and methods of fertility control
			CO4	Understand the phases and theories of development, and classification of
			CO4	eggs  Enumerate the types of cleavage, arrangement of blastomeres, germ
6	ZOL6B11T	Reproductive and Developmental Biology		layers and their derivatives, cell lineage in Planocera and different types of
		Developmental Biology	CO5	blastula.  Illustrate the early developmental process of egg in <i>Amphioxus</i> , frog, chick
			CO6	and man
			007	Explain the basics of cell differentiation and its genetic control, stem cells
			CO7	and applications of stem cell technology
			COS	Describe parthenogenesis, types, and significance
				Explain fate map construction, Spemann's constriction experiments on amphibian embryos, organizers in development, embryonic induction,
				gradient experiments in sea urchin eggs, cloning experiments in sheep
			CO9	and teratogenesis
				Explain the structure of ecosystem and its functioning through energy flow
			CO1	and nutrient cycling .
			CO2	Enumerate biogeochemical cycles and understand the concept of limiting
		Environmental and Conservation Biology	COZ	factors.  Describe the ecology of population, community and habitat as a self
			CO3	regulating system
				Understand various types of population interactions and appraise the co-
			CO4	evolution .
6	ZOL6B12T		605	Comprehend the diverse environmental and sustainability challenges ranging from local to global and the establishment of perfect harmony between economic development, social issues and environmental
			CO5	conservation.  Enumerate the several tools and techniques employed for studies on
			CO6	populations, communities and ecosystems.
			CO7	Understand the threats to biodiversity, and strategies adapted for the
			CO7	conservation of diversity of organisms.
			CO8	Describe the various international strategies for conserving biodiversity.
			CO9	Describe the toxic chemicals, their toxicity levels and the health hazards caused by them .
			CO1	Describe the patterns and mechanisms of animal behaviour.
			CO2	Illustrate biological rhythms and the chemical basis of communication.
				Identify major evolutionary transitions over time, and explain the tools
				and evidences that support current hypotheses of the history of life on
			CO3	earth.
			CO4	Describe the evidences for evolution and its required corollaries .  Explain the various theories of evolution .
		Ethology, Evolution and	CO5	Describe the mechanisms by which evolution occurs .
6	ZOL6B13T	Zoogeography	300	
		200деодгарну	CO7	Recognize the significance of reproductive isolation in reducing gene flow between populations, biological and morphological species concepts and distinguish between prezygotic and postzygotic barriers to reproduction.
			CO8	Review the events in human evolution .
				Explain ecological and historical foundations for understanding the
			CO0	distribution and abundance of species, and their changes over time and
			CO9	comprehend the basic principles of biogeography as a discipline .
			CO1	Explain aquaculture and the process of prawn, mussel and pearl culture.
				Illustrate the methodology of pisciculture and understand common
			CO2	culture fishes and ornamental fishes.
		Aquaculture,Animal	CO3	Identify major fishing crafts and gear and enumerate fish utilization and preservation
6	701 6R14(F)021	huchandry and Poultry		p. coc. ration

U	LOLOD14(L)02	i iluspaliuly aliu poululy		The second state of the second state of second state of second se
		Science	CO4	Enumerate the poultry rearing techniques and understand major breeds of fowl.
			CO5	Understand the major breeds of cattle, cattle feeds and diseases of cattle.
			CO6	Illustrate the steps in dairy processing and identify the role of dairy development in rural economy .
				Perform standard laboratory experiments for the estimation of Hb, presence of hCG/abnormal constituents in urine, detection of blood pressure, bleeding and clotting time and identification of formed elements
			CO1	in blood.  Identify selected stages in the development of frog and chick and chosen
			CO2	larval forms of invertebrates and vertebrates.  Carry out experiments of laboratory standards to estimate water quality
			CO3	parameters including, dissolved Oxygen, Carbon dioxide, hardness and pH; determination of adulteration of selected food items and identify marine
6	ZOL6B16P	Practical III	COS	planktons and soil organisms  Demonstrate the behavioural response of earthworm/dipteran larva to
			CO4	selected stimuli  Describe homologous , analogous and vestigial organs, connecting links,
			CO5	adaptive radiation and evolution of man Illustrate zoogeographical realms, Wallace line, Weber line, Wallacea and
			CO6	the distribution of <i>Peripatus</i> , lung fishes, <i>Sphenodon</i> , monotremes and marsupials
			CO7	Identify the normal and selected abnormal human karyotypes and inheritance of chosen traits from pedigree charts/describe ornamental and other culture fishes/ describe chosen beneficial and harmful insects
	ne programi	ne		Bachelor of Science, Food Technology
Short Name of the				B.Sc. FT
Code of the Prog	1			CCASFT
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	The basic knowledge of food science and technology.
	FTL 1 B 01	PERSPECTIVES OF FOOD SCI	CO2	structure and composition of different types of foods
				Basics of quality assessment, nutritional factors and health foods
1			CO4	Knowledge in Food additives (Preservatives, colors and improvers)
			CO5	An idea about journals, research centers and leading industries
	FTL 1 B 02 P	PERSPECTIVES OF FOOD SCIENCE AND TECHNOLOGY	CO1	
			CO1	Student will have knowledge on history of microbiology.
	FTL 2 B 03	FOOD MICROBIOLOGY	CO2	Understand concept of growth and reproduction of bacteria ,relevance of microscopy.  Understand the basic microbial structure, function and study the
2			602	comparative characteristics of prokaryotes and eukaryotes and
			CO3	understand the structural similarities and differences among them  Understand various accessories for microbiology practical
	FTL 2 B 04 P	FOOD MICROBIOLOGY-1		develop skill to stain bacterial cell
			CO2	Identify the mechanisms by which various unit operations in food
			CO1	processing optimizfood quality and extend shelf life of foods
	ETL 2 D OF	FOOD ENGINEERING	CO2	Understand principles of heat and mass transfer phenomena
3	FTL 3 B 05	FOOD ENGINEERING	CO3	Describe the theories of refrigeration and freezing  Understand rheological characteristics of foods
3			CO4	Understand the working principle of heat exchangers, evaporators,
			CO5	driers, and boilers
	ETI 2.0.00.0	FOOD PROCESSING AND		
	FTL 3 B 06 P	PRESERVATION	CO1	Exposure to various Instrumental analysis of foods which needed for
		FOOD CHEMISTRY &	CO1	statutory requirements  Understand the constituents of foods which are always amenable during
4	FTL 4 B 07	ANALYTICAL INSTRUMENTATION	CO2	processing  Knowledge of minor constituents useful to get organoleptic character of
4			CO3	foods
		FOOD CHEMISTRY &		
	FTL 4 B 08 P	ANALYTICAL INSTRUMENTATION	CO1	
			CO1	Understand microbiological techniques for the isolation of pure culture of Micro organisms
			CO2	To understand spoilage organisms ,growth factors and control.
	FTI 5 R 00	FOOD MICRORIOLOGY-II		75. 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	I L J D U J	II OOD MICKOBIOLOGI-II		
				To know the effect of fermentation in food production and how it
			CO3	influence the microbiological quality and status of food product.
			CO4	To perform and analyze the microbiological safety of milk and water
			CO1	Familiarize on milling technologies of rice & wheat
				Knowledge on baking technologies of bread, cake, biscuit and
	FTL 5 B 10	CEREALS, PULSES AND OIL	CO2	confectionary
	FIL 3 B 10	SEEDS TECHNOLOGY		
			CO3	Knowing the processing methods of pulses, nuts and oilseeds
			CO4	Detailed description of millet chemistry
			CO1	Understand the master technologies of thermal food industries
			CO2	Signify the importance of various dying methods
			CO3	Make knowledge of pros and cons of low temparature preservation
5			CO4	Rely on ancient fermentation method and its applications.
	ET. E D 44	FOOD PRESERVATION &		
	FTL 5 B 11	PACKAGING TECHNOLOGY	CO5	Clear the usual confusion for using verious preservatives
				Dominate the common reservation techniques with the recent and
			CO6	advanced one
				Tobe competitive with innovative ideas for developing substantial
			CO7	consumer products
		CEREALS, PULSES & OIL		·
	FTL 5 B 12 P	SEEDS TECHNOLOGY	CO1	
		52256 (2011)(6256)	CO1	To ak all the mostly ode of inclution and sultaning of misses are all the second sultaning of the seco
				To study the methods of isolation and culturing of microorganisms
			CO2	Incoming raw material such as meat
	FTL 5B 13 P	FOOD MICROBIOLOGY -II		Water -treated & raw water for coliforms Microbial flora in foods such as
			CO3	milk
			CO4	to analyze the different types of specimens microbiologically:
	FT 5 B 14 P	ANALYSIS OF FOODS	CO1	
			CO1	Lists the components of milk.
			CO2	
			COZ	Signify the importance of physico chemical properties of milk
	FTL 6 B 15 E	DAIRY TECHNOLOGY		Providing the importance of dairy processing technologies and
		J. W. V. 120. M. 02.00	CO3	equipments used
			CO4	Make more knowledge on different types of market milk and fermented
			CO5	Provide more information on CIP methods
			CO1	Understand the importance of safe slaughtering methods and its
		TECHNOLOGY OF ANIMAL FOODS	CO2	Innovative ideas on the production of various products
	FTL 6 B 16		CO3	Describe the methods of preservation of different animal products based
			CO4	Quality parameters of egg and the preservation methods from ancient to
6			CO5	A clear idea on fish processing Technology
				Upon completion of the food safety regulations and packaging paper:
	FT. 6 D 47	FOOD SAFETY, FOOD LAWS &REGULATIONS	CO1	Students will recognize the national and international standards of food
	FTL 6 B 17		CO2	Students can take new concept of food plant sanitation
			CO3	Students can implement the updated FSSAI
	FTL 6 B 18	TECHNOLOGY OF FRUITS,	CO1	
		TECHNOLOGY OF FRUITS,		
	FTL 6 B 19 P	VEGETABLES, SPICES &	CO1	
			CO1	To determine the acidity of milk, curd, butter
		TECHNOLOGY OF ANIMAL FOODS	CO2	By using Gerber method we can check the fat of milk
	FTL 6 B 20 P		CO3	By using lactometer we can check the purity of cow's milk
			CO4	Different kinds of tests are performing to determine the adulteration of
Name of the	he Programr	ne		Bachelor of Science. Mathematics
	the Programme			B Sc. Maths
Code of the Pro				CCASMT
Semester	Course code	Course Title	CO No:	Course Outcomes
Jemester	course coue	Course ritte	CO1	To analyse hypothesis and conclusions of mathematical statements
			CO2	To apply the logical structure of proofs and work symbolically with connectives
	MT1B01	Basic Logic and Number	CO2	To identify and apply various properties of and and relating to Integers including
	MILIPOT	Theory		
			CO4	To understand the concept of congruence and use various theorems related to
			CO5	To identify certain number theoretic functions and their properties  To give an account of the concept of functions and their graphs
			CO1	1 0 1
	PATADO3	Calculus of single variable-	CO2	To determine the limit, continuity and differentiability of a function
	MT2B02	1	CO3	To use derivatives in applications
			CO4	To familiar with integration and Fundamental Theorem of Calculus  To use integrals for the computation of area of surface of revolution, arc length,
			CO5	
			CO1	To define the logarithmic and exponential functions and examine their properties
			CO2	To study about inverse trigonometric functions and hyperbolic functions
			CO3	To discuss the methods of finding limits of functions in indeterminate forms
	MT3B03	Calculus of single	CO4	To introduce the idea of improper integrals
		variable-2	CO5	To understand the concepts of sequence and series
			CO6	To develop power series representation of real valued functions
			CO7	To discuss about parametric equation of curves and polar coordinate system
			CO8	For detailed study of plane and space curves
			CO1	To solve systems of linear equations
			CO2	To understand the concept of matrices, operations on matrices and its properties
	MT4B04	Linear Algebra	CO3	To understand the concept of vector spaces

			CO4	To learn deeply about matrix transformations and determine eigen values of a To understand the concept of inner product and orthogonaliztion
			CO5 CO1	To tocus om Symmetric functions.
			CO2	To learn the concept of equivalence relation and partition
	MT5B05	Abstract Algebra	CO3	To understand the concepts of groups, subgroups, homomorphism and
			CO4	To get the idea of Cosets, Rings and Integral domain.
			CO1	To deduce basic properties of real number system
			CO2	To know about sequence and series
	MT5B06	Basic Analysis	CO3	To understand some basic topological properties of real number system
			CO4	To get a rigorous introduction to algebraic, geometric and topological
			CO1	To understand several methods to find out the approximate numerical
			CO2	To learn concepts of various difference operators
	MT5B07	Numerical Analysis	CO3	To understand the concept of interpolation and also learn some well
			CO4	To understand a few techniques for numerical differentiation and
			CO5	To find out numerical approximations to solutions of initial value proble
			CO1	To mathematically formulate real problem in a systematic way and its
			CO2	To systematic study of a given problem and solving it using different
	MT5B08	Linear Programming	CO3	To study various methods to optimize a transportation problem
			CO4	To acquit with various methods to optimize an assignment problem
			CO5	To analyse the duality of a given linear programming problem
			CO1	To understand some properties of conics such as parabola, hyperbola a
			CO2	To discuss Euclidean Geometry
			CO3	To explain affine transformations and parallel projections
		Introduction to	CO4	To discuss fundamental theorem of affine geometry
	MT5B09	Geometry and Theory of	CO5	To discuss projective geometry
		Equations	CO6	To identify certain number theoretic functions and their properties
		Equations	CO7	To have insight in division of polynomials and Taylor Formula.
			CO8	To demonstrate the Fundamental Theorem of Algebra.
			CO9	To analyse the location and describe the nature of the roots of ewua
			CO10	To Discuss the solution of an equation by Cardens Formula and Ferrari
			CO1	To discuss about functions and continuity of functions
	MT5D01 Open	Amaliad Calaulus	CO2	To create a basic knowledge differentiation
	Course	Applied Calculus	CO3	To apply the concepts of differentiation in Economics and graphing of function
			CO4 CO5	To study about exponential and logarithmic functions
			CO1	To generate an idea of basic integration  To understand the fundamental results of continuous functions on intervals
			CO2	
			CO2	To identify the difference between pointwise continuity and uniform continuit
			CO3	To understand the significance of uniform continuity
	MT6B10	Real Analysis	CO4	To develop the notion of Riemann integrability of a function  To understand some basic and fundamental results of integration theory
	MITODIO	iteal Allalysis	CO5	To understand some basic and fundamental results of integration theory  To understand classes of functions that are always integrable
			CO7	To understand classes of functions that are always integrable  To understand the difference between pointwise and uniform convergence of
			CO8	To understand the universe between pointwise and uniform convergence of
			CO9	To learn the properties of and relationship among two important improper
			CO1	To develop the relation between analytic functions and its power series
			CO2	To analyze the properties of Mobius transformation.
	MT6B11	Complex Analysis	CO3	To develop theorems of complex integration
			CO4	To classifysingularities of functions and Laurent series development
			CO1	To acquainte with the concepts of limit and continuity on multivariable
			CO2	To get an introduction on Directional derivatives , Gradient vectors, tangent
	MT6B12	Calculus of Multi Variable	CO3	To know the concept of extremas of functions of two variables and Lagrange
			CO4	To understand the techniques like line integrals, surface integrals, double
			CO5	To learn three major results viz. Green's theorem, Gauss's theorem and Stokes
			CO1	For identification of the areas where the modelling process results in a
			CO2	To discuss methods to solve DEs that are in linear, separable and in exact form
	MT6B13	Differential Equations	CO3	To develop theory and method for solving a second order linear homogeneou
			CO4	To understand the series solution method for homogeneous equations with
			CO5	To develop the method for solving partial differential equations using the met
			CO1	To explain the concepts metric spaces and norms on linear spaces
			CO2	To discuss open, closed and dense subsets
	MT6B14(E02) -	Topology of Metric spaces	CO3	To introduce topologies
	Elective	,	CO4	To discuss convergence and Cauchy sequence
			CO5	To differentiate point wise and uniform convergence
	D		CO6	To discuss continuity and connectedness
	ne Programn	ne		Bachelor of Science, Psychology
	he Programme			B.Sc. Psychology
e of the Pro	1		CO 1:	CCASPY
Semester	Course code	Course Title	CO No:	Course Outcomes
		DACIC THENASC IN	CO1	To generate interest in Psychology
1	PSY1B01	BASIC THEMES IN	CO2	To make familiar the basic concept of the field of Psychology with an emphasi
		PSYCHOLOGY- I	CO3	To understand the basics of various theories in Psychology
			CO4	To provide basic knowledge about systems and processes like attention, learn
		BASIC THEMES IN	CO1 CO2	To generate interest in Psychology
		LIGHT LITTIVIES IIV	CUZ	To make familiar the basic concept of the field of Psychology with an emphasis
2	PSY2B01	PSYCHOLOGY- II	CO3	To understand the basics of various theories in Psychology

			CO1	To offer foundation on psychological measurement and testing
		PSYCHOLOGICAL	CO1	-
	PSY3B01	MEASUREMENT AND		To provide the basis of test construction and to build up skills on developing
		TESTING	CO3	To familiarize the uses of psychological tests
3			CO4	To make aware of ethical principals in testing
			CO1	To nurture the ability in students to understand himself/herself and other
		EXPERIMENTAL	CO2	To develop the skills of testing and scientific reporting in psychology.
		PSYCHOLOGY PRACTICAL I	CO3	To familiarize the students to various psychological tests and assessment tools.
			CO4	To generate an interest in working of the community with a psychological outlo
			CO1	To provide theoretical knowledge about systems and processes like intelligence
	PSY4B01	INDIVIDUAL DIFFERENCES	CO2	To understand the history of intelligence and Personality Testing
			CO3	To familiarize the student with various types of tests in Psychology
4			CO1	To nurture the ability in students to understand himself/herself and other
7		EXPERIMENTAL		
	PSY4B02		CO2	To develop the skills of testing and scientific reporting in psychology.
		PSYCHOLOGY PRACTICAL I	CO3	To familiarize the students to various psychological tests and assessment tools.
			CO4	To generate an interest in working of the community with a psychological outlo
			CO5	To enable students to understand the concepts of abnormal behavior
	PSY5B01	ABNORMAL PSYCHOLOGY-I	CO6	To develop awareness about different types of anxiety and stress disorders
			CO7	To encourage the students to know different therapeutic techniques in
			CO8	Understand and explain behavior in social settings
	PSY5B02	SOCIAL PSYCHOLOGY	CO9	Explain the psychological aspects of various social phenomena
			CO10	To create awareness about the management of human behaviour in group
		DEVELOPMENTAL	CO10	To study human development in Psychological Perspectives
	PSY5B03	PYCHOLOGY -I		
		PTCHULUGY -I	CO12	To create awareness about major Psychological changes along with physical an
	<b></b>	PSYCHOLOGICAL	CO13	To acquire theoretical knowledge in the areas of psychological counseling
	PSY5B04	COUNSELLING	CO14	To understand the applications of counseling in various settings
5		CC STAGELLIAG	CO15	To practice counseling techniques through role plays
3	PSYB05	HEVITH BEACHOLOGA	CO16	To understand the Psychological, behavioral and cultural factors contributing to
	731005	HEALTH PSYCHOLOGY	CO17	To study the management of different illnesses
			CO18	To nurture the ability in students to understand himself/herself and other
		EXPERIMENTAL	CO19	To develop the skills of testing and scientific reporting in psychology.
		PSYCHOLOGY PRACTICAL II	CO20	
		PSTCHOLOGY PRACTICAL II		To familiarize the students to various psychological tests and assessment tools.  To generate an interest in working of the community with a psychological outlo
			CO21	
			CO22	To nurture the ability in students to understand himself/herself and other
		EXPERIMENTAL	CO23	To develop the skills of testing and scientific reporting in psychology.
		PSYCHOLOGY PRACTICAL III	CO24	To familiarize the students to various psychological tests and assessment tools.
			CO25	To generate an interest in working of the community with a psychological outlo
		PROJECT		
		ABNORMAL PSYCHOLOGY-	CO1	To develop awareness about major psychological disorders
	PSY6B01	ll li	CO2	To acquaint the students with causes of major psychological disorders
			CO1	To familiarize the theoretical concept and research methods in applied
		APPLIED SOCIAL	COI	To give knowledge about application of Social Psychology in different areas like
	PSY6B02		CO2	
		PSYCHOLOGY		clinical, Educational, health and media.
			CO3	To understand the major social issues in India
		DEVELOPMENTAL	CO1	To study emotional and social development of life span periods.
6	PSY6B03	PSYCHOLOGY -II	CO2	To study the vocational development and adjustments in adulthood.
		13161102001 11	CO3	To understand the period of late adulthood.
		LIFE SKILL EDUCATION:	CO1	To promote life skill education
	PSY6B04	APPLICATIONS AND	CO2	To develop abilities for adaptive and positive behavior
		TRAINING	CO3	To enhance self-confidence and self-esteem
	PSY6B06	EXPERIMENTAL	CO1	
	PSY6B07	EXPERIMENTAL	CO1	
	PSY6B08	PROJECT	CO1	
laws of th			COI	Deshalar of Commuter Application
	e Programr	ile .		Bachelor of Computer Application
hort Name of th				BCA
Code of the Prog				CCABCA
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To equip the students with fundamentals of Computer
1	BCA1B01	Computer Fundamentals	CO2	To learn the basics of Computer organization
1	PCAIRUI	& HTML	CO3	To equip the students to write algorithm and draw flow chart for solving simple
			CO4	To learn the basics of Internet and webpage design
			CO1	To equip the students with fundamental principles of Problem Solving aspects.
			CO2	To learn the concept of programming
	BCA2B02	Problem Solving Using C		
	BCA2B02		CO3	To study C language
	BCA2B02		~~.	
2	BCAZBUZ		CO4	
2	BCAZBUZ		CO1	To make the students learn web designing
2		Programming Laboratory		To equip the students to write programs for solving simple computing problem To make the students learn web designing To make the students learn programming environments.
2	BCA2B02	Programming Laboratory I:HTML and Programming	CO1	To make the students learn web designing
2		Programming Laboratory	CO1 CO2	To make the students learn web designing To make the students learn programming environments.
2		Programming Laboratory I:HTML and Programming	CO1 CO2 CO3 CO4	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems
	BCA2B03	Programming Laboratory I:HTML and Programming in C	CO1 CO2 CO3 CO4 CO1	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures
3		Programming Laboratory I:HTML and Programming	CO1 CO2 CO3 CO4 CO1 CO2	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures
	BCA2B03	Programming Laboratory I:HTML and Programming in C	CO1 CO2 CO3 CO4 CO1 CO2	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures To equip the students implement fundamental data structures
	BCA2B03	Programming Laboratory I:HTML and Programming in C  Data Structures Using C	CO1 CO2 CO3 CO4 CO1 CO2 CO3	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures To equip the students implement fundamental data structures To learn the basic principles of database and database design
	BCA2B03	Programming Laboratory I:HTML and Programming in C  Data Structures Using C  Database Management	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures To equip the students implement fundamental data structures To learn the basic principles of database and database design To learn the basics of RDBMS
3	BCA2B03 BCA3B04	Programming Laboratory I:HTML and Programming in C  Data Structures Using C	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures To equip the students implement fundamental data structures To learn the basic principles of database and database design To learn the concepts of database manipulation SQL
	BCA2B03 BCA3B04	Programming Laboratory I:HTML and Programming in C  Data Structures Using C  Database Management	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1	To make the students learn web designing To make the students learn programming environments. To practice procedural programming concepts. To make the students equipped to solve mathematical or scientific problems To introduce the concept of data structures To make the students aware of various data structures To equip the students implement fundamental data structures To learn the basic principles of database and database design To learn the basics of RDBMS

	BCA4B06	II-Data Structures and RDBMS	CO2 CO3	To learn how to implement various data structures.  To provide opportunity to students to use data structures to solve real life
		Computer Organization	CO1	To learn logic gates, combinational circuits and sequential circuits
	BCA5B07	and Architecture	CO2	To learn basics of computer organization and architecture
			CO1	To review on concept of OOP.
	DCAFDOO		CO2	To learn Java Programming Environments.
	BCA5B08	Java Programming	CO3	To practice programming in Java.
			CO4	To learn GUI Application development in JAVA
5			CO1	To review on concept of OOP.
	BCA5B09	Web Programming using	CO2	To learn Java Programming Environments.
	BCA3B09	PHP	CO3	To practice programming in Java
			CO4	To learn GUI Application development in JAVA
		Principles of Software	CO1	To learn engineering practices in Software development.
	BCA5B10	Engineering	CO2	To learn various software development methodologies and practices.
		Engineering	CO3	To learn and study various Evaluation methods in Software Development
			CO1	To have a review on concept of Android programming.
	BCA6B11	Android Programming	CO2	To learn Android Programming Environments.
			CO3	To practice programming in Android.
			CO4	To learn GUI Application development in Android platform with XML
			CO1	To learn objectives & functions of Operating Systems.
	BCA6B12	Operating Systems	CO2	To understand processes and its life cycle.
			CO3	To learn and understand various Memory and Scheduling Algorithms.
			CO4 CO1	To have an overall idea about the latest developments in Operating Systems
6	BCA6B13	Computer Networks	CO2	To learn about transmissions in Computer Networks.
U	DCA0D13	computer Networks	CO2	To learn various Protocols used in Communication.
			CO3	To have a general idea on Network Administration.  To practice Java programming.
		Programming Laboratory	CO2	To practice client side and server side scripting.
	BCA6B14	III-Java and PHP	CO3	To practice PHP Programming.
		Programming	CO4	To practice developing dynamic websites.
			CO1	To practice Android programming.
		Programming Laboratory	CO2	To practice user interface applications.
	BCA6B15	IV-Android and Linux Shell	CO3	To develop mobile application.
		Programming	CO4	To practice shell programming
Name of the	he Programr	ne		Bachelor of Social Work
	the Programme			BSW
Code of the Pro	gramme			CCABSW
Semester	Course code	Course Title	CO No.	Course Outcomes
Jennester				
Jeniester			CO1	Understand the history of Social Work Profession in India & abroad
1	BSW1 B01	Introduction to Social Work		
	BSW1 B01	Introduction to Social Work	CO1	Understand the history of Social Work Profession in India & abroad
1			CO1 CO2 CO3 CO1	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession
	BSW1 B01	Introduction to Social Work Fields of Social Work	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work
1			CO1 CO2 CO3 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice.  Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work
1	BSW 2B 02		CO1 CO2 CO3 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice.  Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work
1		Fields of Social Work	CO1 CO2 CO3 CO1 CO2 CO3 CO1	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework
1	BSW 2B 02	Fields of Social Work	CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case work
2	BSW 2B 02	Fields of Social Work  Introduction to Social Case	CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3 CO1	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention
2	BSW 2B 02	Fields of Social Work  Introduction to Social Case Work	CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation
2	BSW 2B 02	Fields of Social Work  Introduction to Social Case Work  Introduction to Social	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work
2	BSW 2B 02	Fields of Social Work  Introduction to Social Case Work  Introduction to Social	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice.
2	BSW 2B 02	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice.
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students with the process of Social casework To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work practice. Create awareness about enlarging scope of Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban	CO1 CO2 CO3 CO4 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students with the process of Social casework To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented
2	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students with the process of Social casework To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments
3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development Introduction to Social	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case vorto understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work research
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development Introduction to Social	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development Introduction to Social Work Research and  Gandhian Philosophy and Social Work	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researed To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian model
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To acquaint the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work research of amiliarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and Management for Social	CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work research of amiliarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researce To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management To help the students to acquire skill in preparation, management, monitoring and
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07  BSW 5 B 08  BSW 5 B 10	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and Management for Social	CO1 CO2 CO3 CO4 CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to develop a scientific approach for systematic procedure in social work researced to development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management To help the students to acquire skill in preparation, management, monitoring are evaluation of projects for social work intervention
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07  BSW 5 B 08  BSW 5 B 10	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and Management for Social Work	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics & education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management To help the students to acquire skill in preparation, management, monitoring an evaluation of projects for social work intervention To equip the students to write independent project proposals
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07  BSW 5 B 09  BSW 5 B 10	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and Management for Social Work  Legal Information for	CO1 CO2 CO3	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics &education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management To help the students to acquire skill in preparation, management, monitoring an evaluation of projects for social work intervention To equip the students to write independent project proposals To provide an overview of social legislation and familiarize students with
1 2 3	BSW 2B 02  BSW 3B 03  BSW 3 B 04  BSW 4 B 05  BSW 5 B 07  BSW 5 B 09  BSW 5 B 10	Fields of Social Work  Introduction to Social Case Work  Introduction to Social Group Work  Introduction to Community Organisation and Social Action  Introduction to Social Work Administration  Rural and Urban Community Development  Introduction to Social Work Research and  Gandhian Philosophy and Social Work  Project Planning and Management for Social Work  Legal Information for	CO1 CO2 CO3 CO1 CO2	Understand the history of Social Work Profession in India & abroad Understand the basic values and principles of Social Work profession Understand the basic concepts relevant to Social Work profession Familiarize with problems in various fields of Social Work Acquire skills for working in different areas of Social Work To understand the basic concepts in Social Case Work To understand the basic concepts in Social Case Work To acquaint the students with the process of Social casework To develop in students the necessary attitude and skills to practice Social case w To understand the scope of Group Work in social work intervention To familiarize with group formation, group work process & evaluation Develop skills and attitudes for participatory group work Understand the elements of Community Organisation practice. Develop skills and attitudes for participatory community work.  To study Voluntary Agency Administration To study legal aspects of Social Work Administration To create awareness about the various social welfare programmes implemented by Central & State Governments  To develop a scientific approach for systematic procedure in social work researc To familiarize with various statistical techniques for analyzing data To create insight about the basic concepts of Gandhi & his views on society, development, industrialization, economics &education To know the relevance of Gandhian philosophy & application of Gandhian mode of development in dealing with social problems To provide basic knowledge in project management To help the students to acquire skill in preparation, management, monitoring an evaluation of projects for social work intervention To equip the students to write independent project proposals To provide an overview of social legislation and familiarize students with To educate the students about the existing judicial system & itsfunctioning

	BSW 6 B 13		CO4	To study role of social workers in community health programmes
	B3W 0 B 13	Elective 1. Gender and	CO4	To understand key concepts, issues in gender and development
		Development in Social	CO2	To give awareness about reciprocal relationship between women & men in societ
	BSW 6 B 16	Work	CO3	To create awareness about the magnitude of gender disparities in the present
	D3W 0 D 10	Elective 2. Social	CO1	To develop a meaningful understanding about past & present social movements
		Movements and Social	CO2	To equip students to examine social realities from different perspectives
	BSW 6 B 17	Development	CO3	To familiarize with the contemporary discourse on social movements & social
	D3W 0 D 17	Development	CO1	To understand the concepts of aging, geriatric care and Social Work
		Elective 3. Social Work		
	DCM C D 40	with elderly	CO2	To understand the problems faced by aged.
	BSW 6 B 18		CO3	To study the role of Social Work interventions in caring for the Aged
6			CO1	Understanding that society can be studied scientifically
		Complimentary 1.	CO2	Recognises some contributions of the social sciences in understanding
		Principles of Sociology		contemporary social realities
	SGY1 (2) C01		CO3	Developing a sociological perspective on current issues
		Complimentary 2.	CO1	Getting acquaintance with the sociological perspective for understanding the
			CO2	Understanding nature of various social institutions in Indian Society
	SGY3 (4) C02	Sociology of Indian society	CO3	Gaining exposure to sociological perspectives on contemporary social issues
			CO1	To generate interest in Psychology
			CO2	To familiarize the students with the concepts of basic psychological processes
		Complimentary 3.	CO3	To understand the basics of various theories in Psychology
		Psychological Processes	CO4	To provide basic knowledge about systems and processes like attention, learning
		. sychiological i i decises	204	To provide basic knowledge about systems and processes like detention, rearring
	DCV1COF		CO5	
	PSY1C05		601	intelligence and personality  To study hyman dovelopment in Psychological Personatives
			CO1	To study human development in Psychological Perspectives
		Commission of the state of the s	CO2	To create awareness about major Psychological changes along with physical and
		Complimentary 4. Lifespan		cognitive development
		Development and Health	CO3	To study emotional, social development and adjustments of life span periods.
		Psychology	CO4	To understand the Psychological, behavioral and cultural factors contributing to
				physical and mental health
	PSY3C06		CO5	To study the management of different illnesses
Name of the	ne Programr	ne		Bachelor of Arts. English Literature
Short Name of t	he Programme			B.A. English Literature
Code of the Pro	gramme			CCAEGR
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To introduce students to the language of literature, i.e., the meaning-making
		INTRODUCING LITERATURE	CO2	To train the students to identify the linguistic structures of poetic texts: symbols,
			CO3	To recognize diverse points of view within a single text and to understand the
1	ENG1B01		CO4	d. To prepare students in reading literary/cultural texts closely, beyond the literal
	LNGIBOI		CO5	To enable students to recognize the dominant voice/s within the text and its
			CO6	To encourage questioning the text in order to perceive marginalized voices - the
			CO7	To comprehend how the subaltern perspectives question and counter the
			CO1	To introduce the students to the basic elements of poetry, including the stylistic
2	ENG2B02	APPRECIATING POETRY	CO2	To facilitate students to attain various perspective in reading poetry like gender,
			CO3	To familiarize the learners with different forms of poetry written in British and
			CO4	To create an awareness among the learners about different forms and themes of
			CO1	To familiarize the students with different types of prose writing.
3	ENG3B03	APPRECIATING PROSE	CO2	To introduce to them the basic concepts of style and literary devices in prose.
			CO3	To acquaint them with cultural diversity and divergence in perspectives.
			CO4	To develop their critical thinking abilities and write creatively and critically.
			CO1	To familiarize the students with the key concepts of English grammar and to use
		ENGLISH GRAMMAR AND	CO2	To help students towards a better language use through the understanding of the
3	ENG3B04	USAGE	CO3	To help the students develop a sense of English grammar, idioms, syntax,
		USAGE	CO4	To develop the logical and analytical skills in the use of language for
			CO5	To familiarize students with contemporary English usage
			CO1	To help students discover the pleasures in reading fiction.
			COI	
4	ENG4B05	APPRECIATING FICTION		
4	ENG4B05	APPRECIATING FICTION	CO2	To aid students gain an insight into the human condition and the complexities of
4	ENG4B05	APPRECIATING FICTION	CO2 CO3	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.
		APPRECIATING FICTION	CO2 CO3 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of
4	ENG4B05	APPRECIATING FICTION  LITERARY CRITICISM	CO2 CO3 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.
			CO2 CO3 CO1 CO2 CO3	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.
			CO2 CO3 CO1 CO2 CO3 CO4	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.
		LITERARY CRITICISM	CO2 CO3 CO1 CO2 CO3 CO4 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical
		LITERARY CRITICISM  APPRECIATING DRAMA	CO2 CO3 CO1 CO2 CO3 CO4 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.
4	ENG4B06	LITERARY CRITICISM	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.
4	ENG4B06	LITERARY CRITICISM  APPRECIATING DRAMA	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to
4	ENG4B06	LITERARY CRITICISM  APPRECIATING DRAMA	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and
5	ENG4B06 ENG5B07	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to
4	ENG4B06	LITERARY CRITICISM  APPRECIATING DRAMA	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and
5	ENG4B06 ENG5B07	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries.  To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and  To enable the learners to critically approach literature and culture in the context
5	ENG4B06 ENG5B07	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and  To enable the learners to critically approach literature and culture in the context  To enrich the students through various perspectives of thinking and critique the  To promote a pluralistic perspective of culture and literature in a multicultural
5	ENG4B06 ENG5B07	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings. To relate critical perspectives to the history of eastern and western ideas. To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form. To familiarize the students with the different genres and masters of drama. To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and To enable the learners to critically approach literature and culture in the context To enrich the students through various perspectives of thinking and critique the To promote a pluralistic perspective of culture and literature in a multicultural To lead to a greater understanding of the human mind, of human communicative
5	ENG4B06 ENG5B07	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY  LANGUAGE AND	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings. To relate critical perspectives to the history of eastern and western ideas. To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form. To familiarize the students with the different genres and masters of drama. To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and To enable the learners to critically approach literature and culture in the context To enrich the students through various perspectives of thinking and critique the To promote a pluralistic perspective of culture and literature in a multicultural To lead to a greater understanding of the human mind, of human communicative To familiarize students with key concepts of Linguistics and develop awareness of
5	ENG4B06  ENG5B07  ENG5B08	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and  To enable the learners to critically approach literature and culture in the context.  To enrich the students through various perspectives of thinking and critique the To promote a pluralistic perspective of culture and literature in a multicultural  To lead to a greater understanding of the human mind, of human communicative To familiarize students with key concepts of Linguistics and develop awareness of To help students towards a better pronunciation and to improve the general
5	ENG4B06  ENG5B07  ENG5B08	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY  LANGUAGE AND	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and  To enable the learners to critically approach literature and culture in the context  To enrich the students through various perspectives of thinking and critique the  To promote a pluralistic perspective of culture and literature in a multicultural  To lead to a greater understanding of the human mind, of human communicative  To familiarize students with key concepts of Linguistics and develop awareness of  To help students towards a better pronunciation and to improve the general  To help the students develop a sense of English grammar, syntax and usage.
5	ENG4B06  ENG5B07  ENG5B08	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY  LANGUAGE AND	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2 CO3	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and To enable the learners to critically approach literature and culture in the context To enrich the students through various perspectives of thinking and critique the To promote a pluralistic perspective of culture and literature in a multicultural To lead to a greater understanding of the human mind, of human communicative To familiarize students with key concepts of Linguistics and develop awareness of To help students towards a better pronunciation and to improve the general To help the students develop a sense of English grammar, syntax and usage.  To improve writing and speech skills.
5	ENG4B06  ENG5B07  ENG5B08	LITERARY CRITICISM  APPRECIATING DRAMA AND THEATRE  LITERARY THEORY  LANGUAGE AND	CO2 CO3 CO1 CO2 CO3 CO4 CO1 CO2	To aid students gain an insight into the human condition and the complexities of To acquaint the students with different types of fiction and analyze them.  To have an understanding of important texts and movements in the history of To examine how literary criticism shapes literature and culture across centuries. To recognize and critique the major arguments underlying critical writings.  To relate critical perspectives to the history of eastern and western ideas.  To introduce the students to the basic elements of drama, including the historical To foster an ability in the students for appreciating drama as an art form.  To familiarize the students with the different genres and masters of drama.  To facilitate the learners to critically go beyond the theatrical performances to To cultivate among the students an understanding of important texts and  To enable the learners to critically approach literature and culture in the context  To enrich the students through various perspectives of thinking and critique the  To promote a pluralistic perspective of culture and literature in a multicultural  To lead to a greater understanding of the human mind, of human communicative  To familiarize students with key concepts of Linguistics and develop awareness of  To help students towards a better pronunciation and to improve the general  To help the students develop a sense of English grammar, syntax and usage.

		LINGLISH	CO3	To expect students to the plurelistic expects of Indian culture and identity
			CO1	To expose students to the pluralistic aspects of Indian culture and identity  To equip students to steer clear of misconceptions regarding women and to
6	ENG6B11	VOICES OF WOMEN	CO2	To arouse a keen interest in analysing critically the diversity of women's
ŭ	LINGODII	VOICES OF WORLEN	CO3	To perceive gender as a social construct
			CO1	To acquaint the students with the classic literatures and thereby composite
6	ENG6B12	CLASSICS OF WORLD	CO2	To enable students to develop cross cultural perspectives
O .	LINGODIZ	LITERATURE	CO3	To enhance the literary sensibility of students
			CO1	To appreciate film as an art form and its aesthetics
			CO2	To understand how film connects with history, politics, technology, psychology
6	ENG6B13	FILM STUDIES	CO2	
				To critically appraise the nature of representation on screen and how class, race
			CO4	To develop analytical skills so that the student can produce informed and
	ENCCD4.4	NEW LITERATURES IN	CO1	To expose the students to diverse cultures and modes of expression.
6	ENG6B14	ENGLISH	CO2	To enable them to explore issues of cultural plurality and hybridity
			CO3	To expose the learners to literary negotiations of colonization and decolonization
			CO1	To familiarize the students with the latest trends in media
6	ENG6B17	WRITING FOR THE MEDIA	CO2	To understand the specificities and possibilities of the different kinds of media
			CO3	To impart necessary technical writing skills
			CO1	To develop writing skills
6	ENG6B21	PROJECT	CO2	To learn to integrate writing and thought and to apply the conventions of
			CO3	To cultivate, in the students, an urge for research.
	ne programi	ne		Bachelor of Science. Physics
hort Name of th				B.Sc. Physics
ode of the Prog	gramme			CCASPH
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	Understand the features, methods and limitations of science
		METHODOLOGY OF	CO2	Understand and apply the basic concepts of Newtonian Mechanics to physical
1	PHY1B01	SCIENCE AND BASIC	CO3	Understand and apply the basic idea of work-energy theorem to physical system
		MECHANICS	CO4	Understand and apply the rotational dynamics of rigid bodies
			CO5	Understand the basic ideas of elasticity
			CO1	Understand the features of non-inertial systems and fictitious forces
			CO2	Understand and analyze the features of central forces with respect to planetary
2	PHY2B02	MECHANICS	CO3	Understand the basics ideas of harmonic oscillations
			CO4	Understand and analyze the basics concepts of wave motion
			CO1	Understand and apply the fundamentals of vector calculus
			CO2	Understand and analyze the electrostatic properties of physical systems
3	PHY3B03	ELECTRODYNAMICS I	CO3	Understand the mechanism of electric field in matter.
J	11113503	ELLETROBTIVAIVIICST	CO4	
			CO5	Understand and analyze the magnetic properties of physical systems
				Understand the mechanism of magnetic field in matter.
			CO1	Understand the basic concepts of electrodynamics
	DUIVADO A	ELECTRODYNAMICS II	CO2	Understand and analyze the properties of electromagnetic waves
4	PHY4B04		CO3	Understand the behavior of transient currents
			CO4	Understand the basic aspects of ac circuits
			CO5	Understand and apply electrical network theorems
			CO1	Understand the Basics of Python programming
5	PHY5B06	COMPUTATIONAL PHYSICS	CO2	Understand the applications of Python modules
			CO3	Understand the basic techniques of numerical analysis
			CO4	Understand and apply computational techniques to physical problems
			CO1	Understand the particle properties of electromagnetic radiation
			CO2	Describe Rutherford – Bohr model of the atom
5	PHY5B07	QUANTUM MECHANICS	CO3	Understand the wavelike properties of particles
			CO4	Understand and apply the Schrödinger equation to simple physical systems
			CO5	Apply the principles of wave mechanics to the Hydrogen atom
			CO1	Understand the fundamentals of Fermat's principles and geometrical optics
			CO2	Understand and apply the basic ideas of interference of light
5	PH5B08	OPTICS	CO3	Understand and apply the basic ideas of diffraction of light
			CO4	Understand the basics ideas of polarization of light
			CO5	Describe the basic principles of holography and fibre optics
			CO1	Understand the basic principles of rectifiers and dc power supplies
		FLECTRONICS (ANALOG 9	CO2	Understand the principles of transistor
5	PHY5B09	ELECTRONICS (ANALOG &	CO3	Understand the working and designing of transistor amplifiers and oscillators
		DIGITAL)	CO4	Understand the basic operation of Op – Amp and its applications
			CO5	Understand the basics of digital electronics
			CO1	Understand the zero and first laws of thermodynamics
			CO2	Understand the thermodynamics description of the ideal gas
6	PHY6B10	THERMODYNAMICS	CO3	Understand the second law of thermodynamics and its applications
			CO4	Understand the basic ideas of entropy
			CO5	Understand the basic ideas of entropy  Understand the concepts of thermodynamic potentials and phase transitions
			CO1	Understand the basic principles of statistical physics and its applications
		STATISTICAL PHYSICS,		
6	PHY6B11	SOLID STATE PHYSICS,	CO2	Understand the basic aspects of crystallography in solid state physics
6	PHIORIT	SPECTROSCOPY &	CO3	Understand the basic elements of spectroscopy
		PHOTONICS	CO4	Understand the basics ideas of microwave and infra red spectroscopy
			CO5	Understand the fundamental ideas of photonics
			CO1	Understand the basic aspects of nuclear structure and fundamentals of
		NUCLEAR PHYSICS AND	CO2	Describe the different types of nuclear reactions and their applications
6	PHY6B12	NUCLEAR PHYSICS AND PARTICLE PHYSICS	CO3	Understand the principle and working of particle detectors
6			CO4	Describe the principle and working of particle accelerators

			CO5	Understand the basic principles of elementary particle physics
			CO1	Understand the fundamental ideas of special relativity
	PHY6B13	RELATIVISTIC MECHANICS	CO2	Understand the basic concepts of general relativity and cosmology
6		AND ASTROPHYSICS	CO3	Understand the basic techniques used in astronomy
			CO4	Describe the evolution and death of stars
			CO5	Describe the structure and classification of galaxies
			CO1	Understand the basic principles of biophysics
		ELECTIVE -1-BIOMEDICAL	CO2	Understand the fundamentals of medical instrumentation
6	PHY6B14	PHYSICS	CO3	Understand the principles of ultrasound and x-ray imaging
			CO4	Understand the basic principles of NMR
			CO5	Describe the applications of lasers in medicine
			CO1	Understand the elementary concepts of nanoscience
		ELECTIVE -2-	CO2	Understand the electrical transport mechanisms in nanostructures
6	PHY6B14	NANOSCIENCE AND	CO3	Understand the applications of quantum mechanics in nanoscience
		TECHNOLOGY	CO4	Understand the fabrication and characterization techniques of nanomaterials
			CO5	Enumerate the different applications of nanotechnology
			CO1	Understand the basic ideas of bonding in materials
		ELECTIVE -2-MATERIALS	CO2	Describe crystalline and non crystalline materials
6	PHY6B14	SCIENCE	CO3	Understand the types of imperfections nad diffusion mechanisms in solids
		SCIENCE	CO4	Describe the different properties of ceramics and polymers
			CO5	Describe the different types of material analysis techniques
			CO1	Apply and illustrate the concepts of properties of matter through experiments
4	PHY4B05	PRACTICAL I	CO2	Apply and illustrate the concepts of electricity and magnetism through
7	17114603	TRACTICALT	CO3	Apply and illustrate the concepts of optics through experiments
			CO4	Apply and illustrate the principles of electronics through experiments
			CO1	Apply and illustrate the concepts of properties of matter through experiments
6	PHY6B15	PRACTICAL II	CO2	Apply and illustrate the concepts of electricity and magnetism through
J	F1110013	F NACTICAL II	CO3	Apply and illustrate the concepts of optics and spectroscopy through experim
			CO4	Apply and illustrate the principles of heat through experiments
			CO1	Apply and illustrate the principles of semiconductor diode and transistor thro
6	PHY6B16	PRACTICAL III	CO2	Apply and illustrate the principles of transistor amplifier and oscillator throug
В	NH 10R 10		CO3	Apply and illustrate the principles of digital electronics through experiments
			CO4	Analyze and apply computational techniques in Python programming
			CO1	Understand research methodology
	DI IV(CD 4 7/D)	PROJECT	CO2	Understand and formulate a research project
6	PHY6B17(P)		CO3	Design and implement a research project
			CO4	Identify and enumerate the scope and limitations of a research project
		DECEARCH	CO1	Understand research methodology
		RESEARCH METHODOLOGY (In lieu of Project)	CO2	Understand the concept of measurement in research
6	PHY6B17(R)		CO3	Understand the significance and limitations of experimentation in research
			CO4	Understand and formulate a research project, ethics and responsibility of
			CO1	Understand the importance of non conventional energy sources
		OPEN COURSE: NON	CO2	Understand basic aspects of solar energy
5	PHY5D01(1)	CONVENTIONAL ENERGY	CO3	Understand basic principles of wind energy conversion
		SOURCES	CO4	Understand the basic ideas of geothermal and biomass energy and recognize
			CO4	Understand the basic ideas of oceans and chemical energy resources and
		Complement	CO1	Understand the basic principles of elasticity
4	D. W. C.	Complementary-1-	CO2	Understand the concepts of surface tension
1	PHY1C01	Properties of matter &	CO3	Understand the aspects of viscosity
		Thermodynamics	CO4	Understand the basic principles of thermodynamics
			CO1	Understand the basic concepts of interfree and diffraction
		Complementary-2-Optics,	CO2	Understand the concepts of polarization
2	PHY2C02	Laser & Electronics	CO3	Understand the fundamentals of electronics
		2.2.2.3.0	CO4	Understand the important principles of laser physics
			CO1	Understand the basic ideas of frames of reference and the principles of
		Complementary-3-	CO2	Understand the concepts of relativity
3	PHY3C03	Mechanics, Relativity,	CO2	Understand the basic ideas of oscillations and waves
		Waves and Oscillations	CO4	Understand the basic ideas of modern physics
			CO1	Understand the basic ideas of inductin physics  Understand the basic ideas of static and current electricity
		Complementary-4-	CO2	Understand the basic ideas of static and current electricity  Understand the concepts of magnetism
4	PHY4C04	Electricity, Magnetism and	CO2	Describe the fundamental concepts of nuclear physics
		Nuclear physics	CO3	Understand the basic ideas of cosmic rays and elementary particles
			CO4	Apply and illustrate the concepts of properties of matter through experiment
		Complementary-5-	CO2	Apply and illustrate the concepts of properties of matter through experiments  Apply and illustrate the concepts of electricity and magnetism through
1 to 4	PHY4C05	PRACTICALS I	CO2	
		F NACTICALS I		Apply and illustrate the concepts of optics through experiments
me of th	e Programr	no	CO4	Apply and illustrate the principles of electronics through experiments
		TIC .		B Sc. Chemistry
	ne Programme			B.Sc. Chemistry
le of the Prog		0		CCASCH
Semester	Course code	Course Title	CO No:	Course Outcomes
			CO1	To apply the methods of a research project.
	6/15453	Theoretical and Inorganic	CO2	To understand the principles behind volumetry.
1	CHE1B01	Chemistry- I	CO3	To analyse the characteristics of different elements.
1			CO4	To distinguish between different acid base concepts.
			CO5	To analyse the stability of different nuclei.

CHERROR  CHE			The constitution of the constitution	CO2	To understand and apply the concept that the wave functions of hydrogen atom
CHESBO3  CHE	2	CHE2B02	Theoretical and Inorganic	CO3	To understand that chemical bonding is the mixing of wave functions of the two
GHEBB03  GHEBB03  GHEBB03  GHEBB03  GHEBB03  GHEBB04  GHEBB04  GHEBB04  GHEBB05  GHEBB05  GHEBB05  GHEBB07  GHEBB07  GHEBB07  GHEBB07  GHEBB07  GHEBB07  GHEBB07  GHEBB08  GHEBD08  GHEBB08  GHEB08  GHEBD08  GHEBD08  GHEBD08  GHEBD08  GHEBD08  GHEBD08  GHEB			Chemistry- II	CO4	To understand the concept of hybridization as linear combination of orbitals of
CHESBOD PHYSICAL CHEMISTRY - I COS To apply by mymerby operations to seasonic different moscules. COS To apply by mymerby operations to seasonic different moscules. COS To independ by mymerby operations to seasonic different moscules. COS To understand the basic concepts of reaction mechanism. COS To understand the basic concepts of reaction mechanism. COS To understand the basic concepts of reaction mechanism. COS To understand the basic concepts of reaction mechanism. COS To understand the basic concepts of reaction mechanism. COS To understand the process of the mention of a cherenic plant of the process of the				CO5	To inculcate an atomic/molecular level philosophy in the mind.
CHESSION   CHEMISTRY - II CO   To apply symmetry operations to categorize different molecules   CO   To apply the concept of tracetomensity to all femoter compounds.					To understand the properties of gaseous state and how it links to thermodynamic
CHEASON  CHE	3	CHE3B03	PHYSICAL CHEMISTRY - I		
4 CHE4804 ORGANIC CHEMISTRY — 1  5 CHE4805 P) NORGANIC CHEMISTRY — 1  6 CHE4806 P) NORGANIC CHEMISTRY — 1  6 CHE4801 P) NO					
4 CHEADAI  ORGANIC CHEMISTRY   CO3   To analyze the students to develop stills in qualitative analysis and preparing To enable the students to develop stills in qualitative analysis and preparing To enable the students to develop stills in qualitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate techniques of volumetric quantitative analysis in Co3   To apply appropriate of control and part of the apply and to analyse the events of Co3   To apply appropriate of control and part of the apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply appropriate of the same analysis   To analyse of therein political grant to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply and to analyse the events of Co3   To apply apply apply and to analyse the events of Co3   To apply apply apply and to analyse apply apply and to analyse apply ap					
CHEBBS(P)  NORGANIC CHEMISTRY PRACTICAL—I CO2 To understand the principles behind quantitative analysis and proparing.  CO3 To understand the principles behind quantitative analysis in 2004 To analyse the territory of the control o	4	CHE4B04	ORGANIC CHEMISTRY- I		
4 CHEBSIP)  INONGANIC CHEMISTRY PRACTICAL—I CO2 To enable the students to develop skills in qualitative analysis and preparing properties the control of the properties of					
4 CHE805(P) PRACTICAL—I CO3 To understand the principles behind quantitative analysis in CO3 To analyse the strength of different solutions. CO4 To analyse the strength of different solutions. CO5 To understand basic processes of metallurgy and to analyse the merits of To analyse the strength of different solutions. CO5 To understand basic processes of metallurgy and to analyse the merits of To analyse different polluting agents. CO5 To analyse different polluting agents. CO5 To understand the analyse that mentions different polluting agents. CO5 To analyse different polluting agents. CO5 To apply the principles of solid waste amagement to analyse the merits of the process of th					
CHEADS(P)   PRACTICAL -   CO3   To apply appropriate techniques of volumetric quantitative analysis in Co4   Co4   To analyse the stress of different solutions.   Co1   To undestand the principles behind quantitative analysis in Co2   To undestand the principles behind quantitative analysis in Co3   To undestand the principles behind quantitative analysis in Co3   To undestand the applications of different inorpacin copymers.   To undestand the applications of different inorpacin copymers.   Co3   To analyse different polluting agents.   Co4   To analyse different polluting agents.   Co3   To analyse different polluting agents.   Co3   To analyse different polluting agents.   Co4   To apply offerent regions for the inter-conversion of different functional code   Co4   To apply different regions for the inter-conversion of different functional code   Co4   To apply different regions for the inter-conversion of different functional code   Co4   To apply active methods (co4   To apply active methods to regions provided in the principles behind different instrumental methods.   Co4   To apply active methods to violations.   Co4   To apply active methods phase transitions and its applications.   Co5   To distinguish between lanthanides and actinides.   Co4   To analyse calcity and active and actinides.   Co4   To undestand the principles behind different instrumental methods.   Co4   To distinguish between lanthanides and actinides.   Co4   To undestand the importance of metals in living systems.   Co5   To distinguish between lanthanides and actinides.   Co5   To distinguish diverse lanthanides and actinides.   Co4   To undestand the basic components and importance of province compounds.   Co5   To distinguish different perior-cir response compounds viaing spectral   Co5   To distinguish different perior-cir response compounds viaing spectral   Co5   To distinguish different perior-cir response compounds viaing spectral   Co5   To distinguish different perior-cir response compounds viaing spectral   Co5   To dist			INORGANIC CHEMISTRY		
CHESB06  INORGANIC CHEMISTRY— III  CO2  To understand the principles behind quantitative and quantitative analysis.  CO2  To understand the principles solid vasanistative and quantitative analysis.  CO3  To understand the application of different inorganic polymers.  CO4  To analyse different polluting agents.  CO5  CO5  To apply the principles of solid vasate management.  CO1  To understand the importance of between alcohols and phenols.  CO2  To understand the importance of between alcohols and phenols.  CO3  To apply or principles of solid vasate management.  CO3  To apply or principles of solid vasate management.  CO3  To apply or principles of solid vasate management.  CO3  To apply or principles of solid vasate management.  CO3  To apply or principles of solid vasate management.  CO3  To apply or principles of solid vasate management.  CO3  To apply deprinciples of solid vasate management.  CO4  To apply deprinciples of solid vasate management.  CO5  To apply deprinciples of solid vasate management.  CO6  To descript	4	CHE4B05(P)			
S CHESBO6  INORGANIC CHEMISTRY — CO2 To understand shall correct shell of quantitative analyses the merits of CO3 To understand shallow; and can auditative analyses the merits of To understand shallow; and considerate the special compounds and schools and phenols.  CO3 To understand the apolications of different increases and phenols.  CO4 To analyse different polituring agents.  CO5 To apoly the principles of solid waste management.  CO6 To understand the importance of eithers and opposides.  CO7 To understand the importance of eithers and opposides.  CO8 To apoly different reagents for the inter conversion of alderlyides, carboyrilic To apoly different reagents for the inter conversion of alderlyides, carboyrilic To apoly and the proparation of apoly different reagents for the inter conversion of alderlyides, carboyrilic To apoly the concept of sheetics, catalysis and photochemistry to various.  CO8 To apoly the concept of sheetics, catalysis and photochemistry to various.  CO9 To understand the importance of CRT.  CO1 To understand the importance of CRT.  CO2 To understand the importance of CRT.  CO3 To understand the importance of crts.  CO3 To understand the importance of crts.  CO4 To understand the importance of metals in living systems.  CO5 To distinguish securities of organic compounds units applications.  CO5 To distinguish active the shortcure of applications compounds.  CO5 To distinguish active the shortcure of applications compounds of the shortcure of distinguish different instrument methods.  CO5 To distinguish active the shortcure of applications compounds of the shortcure of distinguish different instrument methods.  CO6 To distinguish active the shortcure of applications compounds of the shortcure of application compounds of the shortcure of application compounds of the shortcure of distinguish different instruments of the short on compounds of the shortcure of application compounds of the shortcure of application compounds of the shortcure of application compounds of the shortcure of applic					
CHESBOG   CHESBOT   COS   To undestand the applications of different increase prolivers, agents   Cost   To analyse different polluting agents   Cost   To analyse different polluting agents   Cost   To apply the principles of solid waste management.   Cost   To apply the principles of solid waste management.   Cost   To apply the principles of solid waste management.   Cost   To apply different respents for the inter conversion of all dehydres, carbonylic   Cost   To apply different respents for the inter conversion of all dehydres, carbonylic   Cost   To apply different respents for the inter conversion of all dehydres, carbonylic   Cost   To apply different respents for the inter conversion of all dehydres, carbonylic   Cost   To apply the concept of kinetics, catalysis and photochemistry to various   To apply the concept of kinetics, catalysis and photochemistry to various   Cost   To undestand two principles behind different instructional methods.   Cost   To undestand two principles behind different instructional methods.   Cost   To undestand two principles behind different instructional methods.   Cost   To undestand the importance of Cost   To destinguish generatives of coordination compounds   Cost   To destinguish permitted of continuous   Cost   To undestand the basic convolved is solid principles   Cost   To undestand the basic convolved is solid principles   Cost   To undestand the basic convolved is and importance of DNA   Cost   To undestand the basic convolved is and importance of DNA   Cost   To undestand the basic convolved is and importance of principles   Cost   To undestand the basic convolved is and importance of principles   Cost   To undestand the importance of principles					
CHESBUS   III			INODGANIC CHEMISTRY	CO2	To understand basic processes of metallurgy and to analyse the merits of
COS To apply the principles of solid waster amagement.  COS To apply the principles of solid waster amagement.  COS To apply the principles of solid waster amagement.  COS To understand the difference between alcohols and phenols.  To understand the importance of tehers and popolitic or the solid population of the principle of solid waster amagement.  COS To understand the importance of tehers and population of allehydes, carboxylic or to apply active methylene compounds in the preparations of allehydes, carboxylic or to apply active methylene compounds in the preparations of allehydes, carboxylic or to apply active methylene compounds in the preparations.  COS To apply active methylene compounds in the preparations or allehydes, carboxylic or to apply active methylene compounds in the preparations or allehydes, carboxylic or to apply active methylene compounds in the proparation of allehydes, carboxylic or to understand the principles behind different instrumental methods.  COS To distinguish between instruments and activities.  COS To distinguish between instruments and activities.  COS To distinguish between instruments and activities.  COS To understand the importance of CFI.  To understand the importance of certain living systems.  COS To understand the basic compounts using spectral.  COS To understand the basic compounts and importance of DNA.  COS To understand the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and importance of DNA.  COS To distinguish the basic compounts and	5	CHE5B06		CO3	To understand the applications of different inorganic polymers.
COL To understand the difference between alcohols and phenols.  COL To understand the importance of eithers and eposition of the service of control of the service of the s			""		To analyse different polluting agents.
CORGANIC CHEMISTRY—II  CORGANIC CHEMISTRY  CORGANIC CHEMIST					
CHE6B12   ORGANIC CHEMISTRY — II					
CHEBB18[L]  CHEBB1	_	CUEEDOZ	ODCANIC CUENACTOV II		·
CHE6B12  CHE6B13(E1)  CHE6B13(E2)  CHE6B14(P)  CHE6B13(E2)  CHE6B14(P)  CHE6B15(P)  COMPANIC CHEMISTRY  COMPAN	5	CHE5B07	ORGANIC CHEMISTRY – II		
CHESB18 PHYSICAL CHEMISTRY — II  CO To apply the concept of kinetics, catalwiss and photochemistry to various  CO To characterise different molecules using spectral methods.  CO To understand various phase transitions and its applications.  CO To understand the principles behind different instrumental methods.  CO To distinguish between lanthanides and actinides.  CO To understand the importance of memounds using spectral for objective the state of the state of state of actinides.  CO To understand the basic concentral of state of actinides.  CO To understand the basic structure and applications of alkaloids and terpenes.  CO To understand the importance of complications of alkaloids and terpenes.  CO To paperciate the importance of complications of alkaloids and terpenes.  CO To paperciate the importance of complications of alkaloids and terpenes.  CO To paperciate the importance of comportance of comportan					
5 CHESB08 PHYSICAL CHEMISTRY — II CO2 To understand the principles behind different instrumental methods.  CHEGB09 INORGANIC CHEMISTRY— IV CO2 To understand the principles behind different instrumental methods.  CO3 To appreciate the importance of CFT.  To understand the principles behind different instrumental methods.  CO3 To appreciate the importance of CFT.  To distinguish between lambranides and actinides.  CO3 To appreciate the importance of CFT.  To distinguish geometries of coordination compounds.  CO4 To understand the basic compounds compounds using spectral  CO5 To understand the basic compounds using spectral  CO5 To understand the basic compounds unique and importance of DNA.  CO4 To understand the basic compounds and importance of DNA.  CO5 To distinguish different pericyclic reactions.  CO5 To distinguish different pericyclic reactions.  CO5 To distinguish different pericyclic reactions.  CO5 To understand the basic compounds and importance of DNA.  CO6 To understand the basic compounds and importance of DNA.  CO6 To understand the basic compounds and importance of DNA.  CO7 To distinguish different pericyclic reactions.  CO8 To distinguish different pericyclic reactions.  CO8 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO9 To understand the basic compounds and importance of DNA.  CO9 To understand the basic compounds and importance of DNA.  CO8 To understand the basic compounds and importance of DNA.  CO9 To understand the basic compounds and importance of DNA.  CO9 To understand the importance of DNA.  CO9 To understand the importance of DNA.  CO9 To understand the importance of green approach in chemistry.  CO9 To understand the importance of green approach in chemistry.  CO9					
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CHE6B19  CHE6B19  CHE6B10  CHE6B11  CHE6B12  CHE6B13  CHE6B13  CHE6B12  CHE6B13  CHECB13  CHE	J	CHESDOO	FITTSICAL CITEWISTRY - II		
CHE6B19  CHE6B10  CHE6B10  CHE6B10  CHE6B10  CHE6B10  CHE6B10  CHE6B11  CHE6B11  CHE6B11  CHE6B11  CHE6B11  CHE6B12  CHE6B13  CHE6B14  CHE6B14  CHE6B15  CHE6B15  CHE6B15  CHE6B15  CHE6B16  CHE6B16  CHE6B17  CHE6B17  CHE6B17  CHE6B18  CHE6B18  CHE6B18  CHE6B18  CHE6B18  CHE6B19  CHECRISTRY  COI  COI  COI  COI  COI  COI  COI  CO					·
6 CHE6B19 NORGANIC CHEMISTRY — CO3 To appreciate the importance of FET.  CO4 To understand the importance of metals in living systems.  CO5 To distinguish geometries of coordination compounds.  CO5 To distinguish geometries of coordination compounds.  CO6 To understand the basic components and importance of DNA.  CO7 To understand the basic components and importance of DNA.  CO8 To understand the basic components and importance of DNA.  CO8 To understand the basic components and importance of DNA.  CO9 To understand the basic components and importance of DNA.  CO9 To understand the basic components and importance of DNA.  CO1 To understand the basic components and importance of DNA.  CO2 To understand the importance of colligative properties.  CO3 To relate the properties of materials/sollists to the geometrical properties and to understand the importance of green approach in chemistry.  CO3 To understand the importance of green approach in chemistry.  CO4 To understand the importance of green approach in chemistry.  CO6 To understand the role of chemistry in human happiness index and life.  CHE6B13(E1) Elective 1. INDUSTRIAL  CHEMISTRY CO3 To analyse the role of catalysts in industry processes.  CO8 To understand the role of chemistry in human happiness index and life.  CHE6B13(E2) Elective 2. POLYMER  CHEMISTRY CO3 To analyse the role of catalysts in industries of polymers and types of to understand various classification of polymers and types of To understand various classification of polymers and types of To understand the importance of forepassing the chiques.  CO4 To understand the importance of processing techniques.  CO5 To adapte the importance of processing techniques.  CO6 To understand the importance of processing techniques.  CO7 To understand the importance of processing techniques.  CO8 To appreciate the importance of processing techniques.  CO8 To adapte the time protrance of processing techniques.  CO9 To understand the importance of processing techniques.  CO9 To understand the principles beli					
CO4 To understand the importance of metals in living systems. CO5 To distinguish geometries of coordination compounds. CO1 To elucidate the structure of simple organic compounds using spectral CO2 To understand the basic components and importance of DNA. CO3 To understand the basic components and importance of DNA. CO4 To understand the basic components and importance of DNA. CO5 To distinguish different percyclic reactine precyclic reactine prec	6	CHE6B09			
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CO1 To understand and to apply the theories of quantitative and qualitative analysis  CHE1C01 Complementary Course I: CO2 To understand the theories of chemical bonding.	6	CHE6B18(Pr)	PROJECT WORK		
CHE1C01 Complementary Course I: CO2 To understand the theories of chemical bonding.					
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GENERAL CHEMISTRY CO3 To appreciate the uses of radioactive isotopes.	1	CHE1C01		CO2	

			CO4	To understand the importance of metals in biological systems.
			CO1	To understand the importance of free energy in defining spontaneity.
2	CHE2C02	Complementary Course II:	CO2	To realise the theories of different states of matter and their implication.
		PHYSICAL CHEMISTRY	CO3	To understand the basic principles of electrochemistry.
			CO1	To understand the basic concepts involved in reaction intermediates.
3	CHE3C03		CO2	To realise the importance of optical activity and chirality.
3	CHESCUS		CO3	To appreciate the importance of functional groups and aromatic stability.
			CO4	To understand the basic structure and importance of carbohydrates, nucleic
		Complementary Course IV:	CO1	To understand the basic concepts behind colloidal state and nanochemistry.
	CHE4C04	PHYSICAL AND APPLIED CHEMISTRY	CO2	To understand the importance of green chemistry and pollution prevention.
4	CHE4C04		CO3	To appreciate the importance of different separation methods and spectral
7			CO4	To understand the extent of chemistry in daily life.
	CHE4C05(P)	Complementary Course V:	CO1	To enable the students to develop analytical skills in inorganic quantitative
	CHE4C03(F)	CHEMISTRY PRACTICAL	CO2	To analyse systematically mixtures containing two cations.
			CO1	Understand the basics of polymer chemistry.
			CO2	Explain the functions of biomolecules, vitamins, enzymes, hormones and nucleic
		Open Course 2:	CO3	Describe food additives and food habits.
5	CHE5D02		CO4	Explain the uses of pesticides and fertilizers and their impacts on the
		CHEMISTRY IN DAILY LIFE	CO5	Understand advantages and disadvantages of cleansing agents and cosmetics.
			CO6	Recognize the common classes of drugs in pharmaceutical industry and their
			CO7	Understand the basic concepts and processes in petroleum industry.