

## Programme Outcome

### Bachelor of Arts

The B.A Programme in the college is recognized by the Dibrugarh University to which our institution is affiliated and follows the syllabus prescribed by the University.

- The students will acquire knowledge in the field of social sciences, literature and humanities which will make them vigilant towards social issues and problems.
- Moral values will be imbibed by students.
- Race, class, caste, gender, sexuality, political view, ethics, environmental issues are addressed
- After completion of the programme students will be eligible for employment on the basis of their qualification, acquired knowledge and skills.
- It prepares students for pursuing higher studies and careers.
- Clear understanding of methods of enquiry or creative activity is enabled.
- Make students capable to face the ground realities of life.

## Programme Outcome

### Bachelor of Science

The B.Sc Programme in the college is recognized by Dibrugarh University to which our institution is affiliated. It follows the syllabus prescribed by the University.

- Students will gain theoretical as well as practical knowledge about different subject areas to critically evaluate practices, policies and theories by following scientific approach.
- Students will inculcate a value system, the moral dimensions of decision making will be clarified, and accept responsibility for the same.
- After completion of the programme, students will be eligible for employment on the basis of their qualification, acquired knowledge and skills.
- Prepare students for Higher Studies and Careers of their choice.
- Students undergoing this programme will learn logical question assertions, and recognize patterns and as well as distinguish between essential and irrelevant aspects of problems in the society.
- Value systems, moral dimension of decision making are imbibed which will make the students capable of accepting responsibilities.
- Develop a scientific temperament in varied approaches.
- Students will be skilled in practical work, experiments and laboratory materials and equipments and also to collect data and analyze them through scientific observation.

## Programme Specific Outcomes and Course Outcomes B.A. & BSc.

Sl.No	Department s	Programme Specific Outcomes	Semester	Course Outcomes	
				Course	Outcomes
1.	Assamese	Students gain the knowledge of history of Assamese Literature history of Assamese Literature. and diversity of Assamese poetry	Semester 1	PAPER CODE: C-1 HISTORY OF ASSAMESE LITERATURE ( TILL SANKAROTTAR AGE )	<ul style="list-style-type: none"> <li>Students will be introduced to the history of Assamese Literature. Students will be introduced to the characteristics and diversity of Assamese Literature till the Sankrottar Era.</li> </ul>
				PAPER CODE: C-2 HISTORY OF ASSAMESE LITERATURE ( FROM ARUNODAI TO CONTEMPORARY ERA	<ul style="list-style-type: none"> <li>Students will be introduced to the history of Assamese Literature from the Period of Arunodai to Contemporary Era. Students will be introduced with the characteristics and diversity of Assamese Literature from the Period of Arunodai to Contemporary Era.</li> </ul>
				AECC (2 CREDITS): COMMUNICATIVE ASSAMESE	<ul style="list-style-type: none"> <li>It will develop the communication skills of learners in Assamese.</li> </ul>
				GE 1(A) PERFORMING ART:	<ul style="list-style-type: none"> <li>This paper consists of knowledge on art, types of art and various performing art forms of Assam. Students are expected to gather the knowledge on characteristics and diversity of performing art of Assam.</li> </ul>
			Semester 2 <sup>2</sup>	PAPER CODE: C-3: PRIMARY	<ul style="list-style-type: none"> <li>Students will be introduced to</li> </ul>

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				INTRODUCTION TO LINGUISTICS	language its meaning, nature and scope and its various forms. Students will be introduced to linguistics and its branches.
				PAPER CODE: C-4: POETICS	<ul style="list-style-type: none"> <li>Students will be introduced with the history of Poetics in terms of Indian context. Students will be introduced with the history of Poetics in terms of Western Context.</li> </ul>
				GE 2: TEACHING OF ASSAMESE LITERATURE:	<ul style="list-style-type: none"> <li>Students will be introduced to the knowledge on different types of literary forms of Assamese literature.</li> </ul>
			Semester 3	PAPER CODE: C-5: LITERARY CRITICISM	<ul style="list-style-type: none"> <li>Students will understand the common trajectory of growth of literary criticism and various aspects. It will grow the capacity of the students to understanding and analysis of literary texts.</li> </ul>
				PAPER CODE: C-6: SELECTION OF ASSAMESE POETRY	<ul style="list-style-type: none"> <li>Students will be introduced to the history of Assamese poetry. Students will be introduced to the characteristics and diversity of Assamese poetry. Students will be introduced to selected poets and their work.</li> </ul>

				PAPER CODE: C-7: STUDIES ON THE CULTURE OF ASSAM	<ul style="list-style-type: none"> <li>Students will be introduced to the meaning, nature, scope and characteristics of culture. It will acquaint the learners with cultural background of Assam as a unique cultural spot of observation</li> <li>Student will be introduced to the ethnicity of Assam and able to exhibit diverse cultural traits and preservation of the region.</li> </ul>
				SEC-1: INTRODUCTIO N TO TRANSLATION AND PRACTICE	<ul style="list-style-type: none"> <li>Students will be able to know about translation, its branches and its relevance to contemporary time and practice of translation work.</li> </ul>
				GE-3 (TEACHING OF ASSAMESE LANGUAGE:	<ul style="list-style-type: none"> <li>In this paper students will gather knowledge on methods of teaching in general and methods of teaching of Assamese Language.</li> </ul>
			Semester 4	PAPER CODE: C-8: THEORY AND PRACTICE OF COMPARATIVE LITERATURE	<ul style="list-style-type: none"> <li>Students will be acquainted with the nature, scope and meaning of comparative Indian literature and the various perspectives. Students will be able to compare various literary texts of Assamese with texts of different</li> </ul>



					languages.
				PAPER CODE: C-9- INDO ARYAN LANGUAGES OF ASSAM	<ul style="list-style-type: none"> <li>Students will understand the evolution process of Indo Aryan languages. It gives students idea about Sanskrit, Pali and Prakrit Language through some selected texts. It will develop the grammatical concept of Assamese language and the formation and development of Assamese language</li> </ul>
				PAPER CODE: C-10- SELECTION OF ASSAMESE PROSE	<ul style="list-style-type: none"> <li>Students will be introduced to the developmental history of Assamese prose literature. Students will be introduced with the characteristics and diversity of Assamese prose.</li> </ul>
				SEC-2: PREPARATION OF RESEARCH PAPERS	<ul style="list-style-type: none"> <li>Students will be able to know about the preparation of research paper</li> </ul>
				GE-4 : SOCIOLOGY OF LITERATURE:	<ul style="list-style-type: none"> <li>This paper aims to acquaint students with sociology of literature, along with society in the background of literature and impact of the literature on society.</li> </ul>
			Semester 5	PAPER CODE: C-11 - ASSAMESE DRAMA	<ul style="list-style-type: none"> <li>Students will be acquainted with the revolutionary growth of Assamese Drama. They will be acquainted with the</li> </ul>

					Assamese Drama from the period of Sankardeva to Modern period and the cultural Contexts of their production and reception as well as the issues that define the ethos of the texts.
				PAPER CODE: C-12 - STUDIES ON ASSAMESE LINGUISTICS	<ul style="list-style-type: none"> <li>Students will be introduced to the theoretical knowledge of Phonology, Morphology, Syntax and Word formation of Assamese Language. It will develop the language skill of students.</li> </ul>
				DSE-1 : ASSAMESE GRAMMAR	<ul style="list-style-type: none"> <li>Students will be introduced to Assamese Grammar, Lexicon and Idiomatic Usages.</li> </ul>
				DSE-2 : INTRODUCTION TO INDIAN LITERATURE	<ul style="list-style-type: none"> <li>It shall give the students some idea about Indian Literature and its trends through some selected texts of various languages. Students will be acquainted with the unity and diversity of Indian literature.</li> </ul>
			Semester 6	PAPER CODE: C-13: SELECTION FROM ASSAMESE PROSE	<ul style="list-style-type: none"> <li>Students will be introduced to the characteristics and diversity of Assamese prose.</li> </ul>
				PAPER CODE: C-14:	<ul style="list-style-type: none"> <li>Students will be introduced with the</li> </ul>



				LANGUAGE AND SCRIPT OF ASSAM	languages of Assam and the dialects of the region. Students will also be introduced to the script of Assamese language and the other languages of Assam
				DSE-3: INTRODUCTION TO WORLD LITERATURE	<ul style="list-style-type: none"> <li>It gives the students some idea about World Literature and its trends through some selected texts of various languages of India and abroad. Students will be acquainted with the unity and diversity of world literature.</li> </ul>
				DSE-4(A) SPECIAL AUTHOR :	<ul style="list-style-type: none"> <li>Students will be able to have knowledge about one of the special authors of Assamese literature given below –</li> <li>Bhupen Hazarika</li> <li>Bhabendra Nath Saikia</li> <li>Birendra Kumar Bhattacharjee</li> <li>Mamoni Raysam Goswami.</li> <li>Nirupoma Borgohain.</li> </ul>
				DSE-4(B):PROJECT	<ul style="list-style-type: none"> <li>Students will be taught the preparation of a research paper and report writing on particular topic types of research. Students will be able to prepare a project report on a selected topic.</li> </ul>
2.	Bengali	Acquaint student the	Semester 1	C-1 Bangla sahityer Itihas	<ul style="list-style-type: none"> <li>To acquaint the knowledge of</li> </ul>

		history of Bengali Literature and know about Religion, Society, Culture and development of the Bengali Literature use in the Prose , poetry , drama , short story and novel.			History of Bengali Literature from ancient to modern edge.
				C-2 Bangla Bhasar Itihas O Bhasatatwa	<ul style="list-style-type: none"> <li>To acquaint the knowledge of origin Bengali language from 'Aryan language; its original development &amp; philological characteristic; Bengali dialects &amp; written language phonology.</li> </ul>
				GE-1 Byabaharik Gnaner Sahitya	<ul style="list-style-type: none"> <li>To acquaint the knowledge of report writing on literature science religion, culture, economy &amp; commerce &amp; the uses of social media: Application of methods and application of translation: word formation, joint &amp; disjoint of words correction of words &amp; small scale industries of Assam</li> </ul>
				AECC-2 MIL (Bengali) BNL Bangla sahityer Itihas (Adhunik Youg	<ul style="list-style-type: none"> <li>To acquaint the knowledge of Bengali literature from 18<sup>th</sup> century to modern age.</li> </ul>
		Semester 2		C-3 Bangla Kabya: Prachin, Madhya O Adhunik	<ul style="list-style-type: none"> <li>To acquaint the knowledge of ancient, medieval and modern Bengali Poetry literature.</li> </ul>
				C-4 Padaboli Sahitya: Baishnav Padaboli O Shakta Padaboli	<ul style="list-style-type: none"> <li>To acquaint the knowledge of ancient, medieval &amp; modern Bengali Poetry literature.</li> </ul>



				GE-2 Byabaharik Bhasa Likhan KouShal	<ul style="list-style-type: none"> <li>To acquaint the knowledge of report writing, advertisement, proof reading &amp; the symbols of correction: official application writing press release invitation, commercial proceeding writing etc.</li> </ul>
			Semester 4	C-5 Natak, Natyasahityer Rupaved O Bangla Natak	<ul style="list-style-type: none"> <li>To acquaint the knowledge of Bengali Drama dramatic movement in Bengali literature with some selected Bengali Drama.</li> </ul>
				C-6 Bangla Chotogalpa: Udvab O Kramabikash	<ul style="list-style-type: none"> <li>To acquaint the knowledge Bengali short story, origin &amp; development with special reference to same notable Bengali short story writers.</li> </ul>
				C-7 Bangla Prabandha O Bhraman Sahitya	<ul style="list-style-type: none"> <li>To acquaint the knowledge of Bengali articles &amp; travelogue with special reference to some selected Bengali writers.</li> </ul>
				GE-3 Bangla Sanskriti Ebong Anubad Sahitya	<ul style="list-style-type: none"> <li>To acquaint the knowledge of social cultural identity of Bengali &amp; the translation of some notable writers of Assamese literature to Bengali</li> </ul>
			Semester 4	C-8 Adhunik Bangla Kabita	<ul style="list-style-type: none"> <li>To acquaint the knowledge of the style theory of poetry with reference to some selected poetry and poets of Bengali</li> </ul>

					Literature.
				C-9 Bangla Anubad Sahitya O Lokasahitya	<ul style="list-style-type: none"> <li>To acquaint the knowledge of Bengali translation studies &amp; folk literature of Bengali: Field study with reference folk culture &amp; faith.</li> </ul>
				C-10 Aristotler Poetics O Bangla Natak	<ul style="list-style-type: none"> <li>To acquaint the knowledge of Poetics of Aristotle &amp; Bengali Drama with special reference to Modhusudhan Dutta &amp; Dinabandhu Mitra.</li> </ul>
				GE-4 Bangla Bhasay Kalpa-Biggan Sahitya	<ul style="list-style-type: none"> <li>To acquaint the knowledge of fiction Bengali literature, its definition, origin &amp; development with special reference to some Bengali fiction writers.</li> </ul>
			Semester 5	C-11 Chando O Alankar Ebong Dhonee O Ros	<ul style="list-style-type: none"> <li>To acquaint the knowledge of prosody &amp; rythories implied meaning &amp; sentiments.</li> </ul>
				C-12 Sanskrit O English Sahityer Etihas	<ul style="list-style-type: none"> <li>To acquaint the knowledge on history of Sanskrit literature with special reference to some selected writing of Sanskrit poet &amp; History of English literature with same selected writings.</li> </ul>
				DSE-1 Adhunik Bhasa Anusheelon	<ul style="list-style-type: none"> <li>To acquaint the knowledge of grammar of modern literature-joining (chanda) pronouns, case ending, Compound, suffixes,</li> </ul>



					verbal roots & formation of verbs & sentence.
				DSE-2 Gabesona Pratibedan Prastutkaron	<ul style="list-style-type: none"> <li>To acquaint the knowledge of research methodology, preparing of report &amp; preparation of project.</li> </ul>
		Semester 6	C-13 Adhunik Bangla Upanyas		<ul style="list-style-type: none"> <li>To acquaint the knowledge of modern Bengali novels its origin &amp; development with special reference to some selected Bengali novels.</li> </ul>
			C-14 Tulanamulok Sahitya		<ul style="list-style-type: none"> <li>To acquaint the knowledge of comparative literature, its origin, development &amp; the main purpose of study of comparative literature.</li> </ul>
			DSE-3 Bishes Pathyakrom: Special Author		<ul style="list-style-type: none"> <li>To acquaint the knowledge of notable literature of Bengali with special reference to Dramas of Manoj Mitra, salil Sen &amp; the novels of Samresh Bose &amp; syed Oyalivllah.</li> </ul>
			DSE-4 Adhunik Bangla Kobita, Prabondha O Bharateeya Anubad Sahitya		<ul style="list-style-type: none"> <li>To acquaint the knowledge of Modern Bengali poetry, Articles &amp; the Indian translated literature.</li> </ul>

  
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 DCB Girls' College  
 Jorhat, Assam

3	Education	The course acquaints the students with the meaning, nature, scope and aims of education	Semester 1	EDNH101: PHILOSOPHICAL FOUNDATIONS OF EDUCATION	<ul style="list-style-type: none"> <li>• Student shall gain knowledge on the modern concept, aims, functions and role of education.</li> <li>• It will enable them to understand the role of Philosophy in Education and appraise the contribution of the given philosophers in the domain of education</li> <li>• Understand the basic tenants of the given Indian and Western Philosophies and their influence in Education.</li> </ul>
				EDNH102: SOCIOLOGICAL FOUNDATIONS OF EDUCATION	<ul style="list-style-type: none"> <li>• It will enable the students to understand the concept, approaches and theories of educational sociology</li> <li>• Shall provide the idea of Social Aspects, Social Processes and role of Education</li> <li>• Shall enable the students to know the role of Education in Social Change and Development and also about the social group</li> </ul>
				GEED101: GUIDANCE AND COUNSELLING	<ul style="list-style-type: none"> <li>• The students will be enabled to describe the meaning, scope, principles of Guidance and Counseling</li> </ul>



					<ul style="list-style-type: none"> <li>• Can use various tools and techniques of guidance in appropriate context</li> </ul>
			Semester 2	EDNH201: PSYCHOLOGICAL FOUNDATIONS OF EDUCATION	<ul style="list-style-type: none"> <li>• Shall enable the students to understand the concept, nature, scope and uses of psychology in Education and the influence of growth and development in education.</li> <li>• To know the concept and theories of learning, creativity and personality</li> <li>• To provide knowledge of mental health and hygiene and its measures in school.</li> </ul>
				EDNH202: EDUCATIONAL ADMINISTRATION AND MANAGEMENT	<ul style="list-style-type: none"> <li>• Aims to</li> <li>• Provide knowledge about Educational Management, educational Leadership and educational Planning.</li> <li>• Role and importance of educational supervision</li> </ul>
				GEED201: HUMAN RIGHT EDUCATION	<ul style="list-style-type: none"> <li>• The students will be able to understand concept, theories and constitutional perspectives of human rights.</li> </ul>
			Semester 3	EDNH301: GREAT EDUCATORS AND EDUCATIONAL THOUGHTS	<ul style="list-style-type: none"> <li>• Shall enable the students to comprehend the contribution of philosophers in the domain of education</li> </ul>

					<ul style="list-style-type: none"> <li>Know the importance of the educational thought given by philosophers</li> </ul>
				EDNH302 : MEASUREMENT AND EVALUATION IN EDUCATION	<ul style="list-style-type: none"> <li>Can be enabled to learn the meaning, nature, scope, need and types of measurement and evaluation in</li> <li>Clarity about the meaning of psychological tests, their characteristics and process of construction.</li> <li>Knowledge of specific tools to measure achievement, intelligence, personality and aptitude.</li> </ul>
				EDNH303: EXPERIMENTAL PSYCHOLOGY AND LABORATORY PRACTICAL	<ul style="list-style-type: none"> <li>Students will be provided with the knowledge of Experimental psychology and be able to conduct and prepare a report of psychological experiments.</li> <li>Will enable to know the meaning and nature of memory, immediate memory, memory span and its related practical usage.</li> <li>Clarity about the concept of attention, span of attention and its related practical</li> </ul>
				GEED302: MENTAL	<ul style="list-style-type: none"> <li>Students will be able to understand the</li> </ul>



				HEALTH ISSUES	<p>concepts of mental health and hygiene in the emerging society.</p> <ul style="list-style-type: none"> <li>• Make them integrate yoga in their day-to-day lives for holistic health</li> </ul>
			Semester 4	EDNH401: EDUCATION IN PRE-INDEPENDENT INDIA	<ul style="list-style-type: none"> <li>• Shall provide a concept of education in the context of Indian heritage</li> <li>• Knowledge about education in ancient and medieval India, particularly Vedic and Buddhist Education.</li> <li>• Can evaluate the education system during British period with special emphasis on the commissions and committees</li> </ul>
				EDNH402: TECHNIQUES OF TEACHING	<ul style="list-style-type: none"> <li>• Shall enable the students to understand the meaning, nature, Principles of teaching and learning and role of teacher at different phases of teaching.</li> <li>• Shall provide the knowledge of teaching skills and the stages of microteaching cycle along with the different methods and approaches of teaching.</li> </ul>
				EDNH402: TEACHING	<ul style="list-style-type: none"> <li>• Expected to provide</li> </ul>

				PRACTICE	<p>practical knowledge of teaching skills in classroom and integrate the teaching skills in real classroom situations.</p> <ul style="list-style-type: none"> <li>• Shall teach the method of preparing lesson plans.</li> </ul>
				EDNH403: EDUCATIONAL TECHNOLOGY	<ul style="list-style-type: none"> <li>• Shall allow to understand concept, nature and components of Educational Technology and its differentiation with Instructional Technology.</li> <li>• Knowledge about application of ICT and Model in teaching learning</li> <li>• Shall comprehend the concept, components and characteristics of communication</li> </ul>
				GEED401: ECONOMICS OF EDUCATION	<ul style="list-style-type: none"> <li>• Students will be able to understand the scope, concept in economic education and also concepts of human capital formation, Education financing, Educational Planning etc.</li> </ul>
			Semester 5	EDNH501: EDUCATION IN POST-INDEPENDENT INDIA	<ul style="list-style-type: none"> <li>• It shall provide a clear picture of educational scenario at the time of Independence and the roles of various Commissions and Committees in the development of</li> </ul>



				<p>education in post independent India.</p> <ul style="list-style-type: none"> <li>• Knowledge apparent about recent educational developments in India</li> </ul>
			EDNH502: EDUCATION IN WORLD PERSPECTIVE	<ul style="list-style-type: none"> <li>• Students will able to understand the comparative education and its methods</li> <li>• Can illustrate the factors influencing in National system of Education.</li> <li>• Shall provide knowledge about the vocational and teacher education of different countries, specially UK, USA, India, Japan. It also explains the open education in world perspective</li> </ul>
			DSEED501: GUIDANCE AND COUNSELLING	<ul style="list-style-type: none"> <li>• The students will be able to describe the meaning, scope, principles of Guidance and Counseling</li> <li>• Can use various tools and techniques of guidance in appropriate context</li> </ul>
			DSEED504: MENTAL HEALTH ISSUES	<ul style="list-style-type: none"> <li>• Students will be able to understand the concepts of mental health and hygiene in the emerging society.</li> <li>• Make them integrate yoga in their day-to-day lives for holistic</li> </ul>

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					health
			Semester 6	EDNH601: EMERGING TRENDS IN INDIAN EDUCATION	<ul style="list-style-type: none"> <li>• Shall provide knowledge of the the need of constitutional provisions in Education and the role of constitution in equalizing educational opportunities in the diverse Indian Society.</li> <li>• Shall provide knowledge about new perspectives of environmental education, Gender education, Inclusive education, Adult education, Human right education, Value education and population education etc.</li> <li>• It critically analyzes the government policies and challenges of Indian Education.</li> </ul>
				EDNH602: CHILD & ADOLESCENT PSYCHOLOGY	<ul style="list-style-type: none"> <li>• Can enable the students to justify the study of childhood and adolescence today and the role of family on child and adolescent development</li> <li>• Can signify of the role of society in monitoring and guiding young children in their proper development</li> </ul>



4	Economics	Understand basic concepts in economics and apply economic principles in real world situations	Semester 1	ECNHC101  INTRODUCTORY MICROECONOMICS	<ul style="list-style-type: none"> <li>The students understand the principles of microeconomic theory.</li> <li>It emphasizes on thinking like an economist and apply microeconomic in real-life situations.</li> </ul>
				ECNHC102  MATHEMATICAL METHODS FOR ECONOMICS - I	<ul style="list-style-type: none"> <li>Students will learn the method of applying mathematical techniques to economic theory in general</li> </ul>
				ECNGE1  INTRODUCTORY MICROECONOMICS	<ul style="list-style-type: none"> <li>Students will understand the basic principles of microeconomic theory.</li> </ul>
			Semester 2	ECNHC201  INTRODUCTORY MACROECONOMICS	<ul style="list-style-type: none"> <li>Will help to understand the concepts associated with the determination and measurement of aggregate macro-economic variables like savings, investment, GDP, money, inflation and the balance of payments.</li> </ul>
				ECNHC202  MATHEMATICAL METHODS FOR ECONOMICS - II	<ul style="list-style-type: none"> <li>Students will learn the method of applying mathematical techniques to economic theory in general</li> </ul>
				ECNGE2  INTRODUCTORY MACROECONOMICS	<ul style="list-style-type: none"> <li>Students will understand the basic concepts of Macroeconomics</li> </ul>

				ICS	
			Semester 3	ECNHC301  ESSENTIALS OF MICROECONOMICS	<ul style="list-style-type: none"> <li>Will provide a sound training in microeconomic theory to formally analyze the behaviour of individual agents</li> </ul>
				ECNHC302  ESSENTIALS OF MACROECONOMICS	<ul style="list-style-type: none"> <li>Students will comprehend to formal modeling of a macro-economy in terms of analytical tools</li> </ul>
				ECNHC303  STATISTICAL METHODS FOR ECONOMICS	<ul style="list-style-type: none"> <li>Will help to understand the basic concepts and terminology that are fundamental to statistical analysis and inference</li> <li>Learn statistical inferences that include point and interval estimation.</li> </ul>
				ECNGE301  INDIAN ECONOMY – I	<ul style="list-style-type: none"> <li>Students will acquaint with major trends in economic indicators in India in the post-Independence period, with particular emphasis on paradigm shifts and turning points</li> </ul>
			Semester 4	ECNHC401  ADVANCED MICROECONOMICS	<ul style="list-style-type: none"> <li>Student will be coupled with the use of mathematical tools and reasoning and also the general equilibrium and welfare, imperfect markets and topics under information economic.</li> </ul>
				ECNHC402  ADVANCED	<ul style="list-style-type: none"> <li>Students will learn the long run dynamic issues like growth and technical</li> </ul>



				MACROECONOMICS	progress and also provide the micro-foundations to the various aggregative concepts used in the previous course.
				ECNHC403 INTRODUCTORY ECONOMETRICS	<ul style="list-style-type: none"> <li>Provide a comprehensive knowledge to basic econometric concepts and techniques and the statistical concepts of hypothesis testing, estimation and diagnostic checking of simple and multiple regression models.</li> </ul>
				ECNGE401 INDIAN ECONOMY – II	<ul style="list-style-type: none"> <li>Students will be able to examine sector-specific policies and their impact in shaping trends in key economic indicators in India</li> </ul>
			Semester 5	ECNHC501 INDIAN ECONOMY - I	<ul style="list-style-type: none"> <li>Students will have a review of major trends in economic indicators of India after independence.</li> </ul>
				ECNHC502 DEVELOPMENT ECONOMICS - I	<ul style="list-style-type: none"> <li>Students will understand the role of the state in economic development and the informational and incentive problems that affect state governance.</li> </ul>
				ECNHDSE505 MONEY AND FINANCIAL MARKETS	<ul style="list-style-type: none"> <li>Students will understand the theory and functioning of the monetary and financial sectors of the economy.</li> </ul>
				ECNHDSE506 PUBLIC ECONOMICS	<ul style="list-style-type: none"> <li>Students will be acquainted with the nature of</li> </ul>

					government intervention and its implications for allocation, distribution and stabilization
			Semester 6	ECNHC601 INDIAN ECONOMY - II	<ul style="list-style-type: none"> <li>Students will learn sector-specific policies and their impact in shaping trends in key economic indicators in India.</li> </ul>
				ECNHC602 DEVELOPMENT ECONOMICS - II	<ul style="list-style-type: none"> <li>Understand the role of globalization and increased international dependence on the process of development.</li> </ul>
5.	English	Acquaint students with a vast range of world literatures and sharpen critical and analytical abilities applicable in literature and life alike	Semester 1	CORE 1: INDIAN CLASSICAL LITERATURE	<ul style="list-style-type: none"> <li>Acquaint the students with the rich cultural heritage of ancient Indian literature, including its distinctive aesthetic philosophies</li> <li>Student will learn to make a comparative assessment between the Indian and the Western classical tradition, thereby enabling their knowledge and understanding of the two great ancient literary traditions.</li> </ul>
				CORE 2: EUROPEAN CLASSICAL LITERATURE	<ul style="list-style-type: none"> <li>Student will Understand the source of Western literary paradigm – a formation that was responsible for constituting the great tradition of the western canon, and one which govern our critical or</li> </ul>



					comparative touchstone on 'what good literature ought to be.'
				PAPER: 10310 AECC1: ENGLISH COMMUNICATI ON	<ul style="list-style-type: none"> <li>Students will find a difference in their personal and professional interactions</li> </ul>
			Semester 2	CORE 3: INDIAN WRITING IN ENGLISH	<ul style="list-style-type: none"> <li>Students will be acquainted with diversified knowledge of customs and traditions in India and would be able to map the intellectual trajectory from the pre- to post - independence period, and get the feel of the advancement that Indian writers in English are making, for which they are receiving plaudits, both at home as well as abroad</li> </ul>
				CORE 4: BRITISH POETRY AND DRAMA 14TH TO 17TH CENTURY	<ul style="list-style-type: none"> <li>Student will be able to determine the influence of the European Renaissance on the works of the Elizabethan authors, including Shakespeare</li> </ul>
			Semester 3	CORE 5: AMERICAN LITERATURE	<ul style="list-style-type: none"> <li>Student will understand the poetics and politics of a literature characterized both by liberal and reactionary ideals.</li> </ul>
				CORE 6: POPULAR LITERATURE	<ul style="list-style-type: none"> <li>Learners will be in a position to appreciate the presence of a creative space and</li> </ul>



					process that has the potential to affect readers to a degree that high-brow literature cannot achieve due to its propensity to target only a niche audience.
				CORE 7: BRITISH POETRY AND DRAMA 17TH AND 18TH CENTURY	<ul style="list-style-type: none"> <li>Student will understand the ways in which English drama and poetry began to emphasize on the importance of adhering to classical norms and forms.</li> </ul>
			Semester 4	CORE 8: BRITISH LITERATURE: 18TH CENTURY	<ul style="list-style-type: none"> <li>Student will understand the spirit of the age, as well as the literature embodying this spirit.</li> </ul>
				CORE 9: BRITISH ROMANTIC LITERATURE	<ul style="list-style-type: none"> <li>Student will be able to know and appreciate the values of a literature characterized by emotion, passion, love towards nature, exerting of imagination and so forth in order to create a thing of beauty, which would be a joy forever.</li> </ul>
				CORE 10: BRITISH LITERATURE: 19TH CENTURY	<ul style="list-style-type: none"> <li>Understand the philosophical shift that came about due to the crises of faith pertaining to the culture of positivism that manifested its full presence during the Victorian period.</li> <li>Understand concepts like utilitarianism, surplus value, Victorian prudishness, survival</li> </ul>

					of the fittest etc., and will be able to analyze it along these lines
			Semester 5	CORE 11: WOMEN'S WRITING	<ul style="list-style-type: none"> <li>Student will be sensitized to gender-related issues, and would be able to see things from the perspective of the others.</li> </ul>
				CORE 12: BRITISH LITERATURE: EARLY 20TH CENTURY	<ul style="list-style-type: none"> <li>Acquainted with concepts like stream-of-consciousness, Oedipus complex, avant garde, gyre, interior monologue, among many others.</li> </ul>
				DSE 1: MODERN INDIAN WRITING IN ENGLISH TRANSLATION	<ul style="list-style-type: none"> <li>Students will be in a position to appreciate the literature of India as it exists in various regional languages.</li> <li>Students would be able to understand the political, social and economic factors affecting people across regions and cultures.</li> </ul>
				DSE 3: LITERARY CRITICISM	<ul style="list-style-type: none"> <li>Understand the texts in terms of the contexts, which could be purely aesthetic, historical, textual or political.</li> </ul>
			Semester 6	CORE 13: MODERN EUROPEAN DRAMA	<ul style="list-style-type: none"> <li>Know the Modern drama with its entire attendant problematic.</li> </ul>
				CORE 14: POSTCOLONIAL LITERATURE	<ul style="list-style-type: none"> <li>Acquainted with both the texts and the contexts of the given period.</li> </ul>
6.	Geography	Understand the key concepts, constructs and	Semester 1	COURSE C1 GGRH 101T4: GEOMORPHOL	<ul style="list-style-type: none"> <li>The main outcome of this course is to make the students comprehend the</li> </ul>



		statistical techniques of core geographical concepts. Acquisition of in-depth understanding of the applied aspects of Geography as well as interdisciplinary subjects in everyday life		OGY AND BIO GEOGRAPHY	various processes responsible for the development of diverse landforms on the earth surface, how the natural surrounding and human activities are responsible for the distribution of plants and animals
				COURSE C1 GGRH 101P2: GEOMORPHIC TECHNIQUES (PRACTICAL)	<ul style="list-style-type: none"> <li>The outcome of this paper is to create a knowledge based among the students about the various morphometric techniques used in drainage analysis.</li> <li>The students will have a strong knowledge base of various slope analysis techniques and uses of different types of scale.</li> </ul>
				COURSE C2 GGRH 102T4 CLIMATOLOGY (THEORY)	<ul style="list-style-type: none"> <li>The main outcome of this paper is to acquaint the students with the composition of atmosphere and various climatic processes</li> </ul>
				COURSE C2 GGRH102P2 PRACTICALS BASED ON CLIMATIC DATA	<ul style="list-style-type: none"> <li>This course will acquaint the students with various weather symbols and to prepare graphs based on climatic data.</li> <li>The students will also find out the variability in the distribution of rainfall and the factors responsible for such variation in the pattern of rainfall</li> </ul>



				PAPER: GE-1 DISASTER MANAGEMENT	<ul style="list-style-type: none"> <li>Students will be acquainted with the Concepts: Hazards, Disasters; Risk and Vulnerability.</li> <li>Students will gain knowledge about the disasters in India and its mitigation and measures</li> </ul>
			Semester 2	COURSE C3  GGRH201T6  HUMAN GEOGRAPHY (THEORY)	<ul style="list-style-type: none"> <li>The outcome of this course is to introduce the major themes of human geography and its importance in present days.</li> <li>The students will also learn about population growth and factors responsible for uneven distribution of population in the world.</li> <li>Students will be acquainted with the population resource relationship and various types of settlement pattern.</li> </ul>
				COURSE C4  GGRH202T4  GEOGRAPHY OF INDIA (THEORY)	<ul style="list-style-type: none"> <li>The outcome of this paper is to make the students familiar with the various aspects of India.</li> <li>The students will learn about the physical, anthropogenic and economic diversity of India and the factors responsible for such diversities.</li> </ul>

				<p>COURSE C4</p> <p>GGRH 202P2</p> <p>PRACTICAL ON THEMATIC CARTOGRAPHY</p>	<ul style="list-style-type: none"> <li>The main outcome of this paper is to make the students aware of the various application of thematic mapping and shape index analysis.</li> </ul>
				<p>PAPER: GE-2</p> <p>REGIONAL DEVELOPMENT</p>	<ul style="list-style-type: none"> <li>Understand the evolution, Types , Characteristic and need of Regional planning</li> <li>Students will learn the various Strategies/Models for Regional Planning in context of India</li> </ul>
			Semester 3	<p>COURSE C5</p> <p>GGRH 301T4</p> <p>CARTOGRAPHY (THEORY)</p>	<ul style="list-style-type: none"> <li>The outcome of this paper is to make the students aware about the history of map projection and uses of different types of map projection.</li> <li>An attempt is also made to enlighten the students about the various surveying methods and the instrument used in it.</li> </ul>
				<p>C5</p> <p>GGRH 302P2</p> <p>CARTOGRAPHIC TECHNIQUES (PRACTICAL)</p>	<ul style="list-style-type: none"> <li>The main objective of this paper is to enlighten the students with the different types of map projection and its uses.</li> </ul>
				<p>COURSE C6</p> <p>GGRH 302T6</p> <p>REGIONAL GEOGRAPHY OF WORLD (THEORY)</p>	<ul style="list-style-type: none"> <li>The outcome of this course is to develop an understanding about climate, soil and topography in different continents of the world.</li> <li>The course will familiarize learner</li> </ul>



					with industrialization and population distribution in developed, developing and underdeveloped nations of the world.
				COURSE C7 GGRH 303T6  STATISTICAL METHODS IN GEOGRAPHY (THEORY)	<ul style="list-style-type: none"> <li>The outcome of this paper is to make the students aware about the various statistical techniques used in geographical study.</li> </ul>
				PAPER:GE-3 CLIMATE CHANGE: VULNERABILITY AND ADAPTATION	<ul style="list-style-type: none"> <li>Understand the Climate Change, Vulnerability and impact of Climate Change and also the Adaptation and Mitigation:</li> </ul>
			Semester 4	COURSE C8 GGRH401T6 ECONOMIC GEOGRAPHY (THEORY)	<ul style="list-style-type: none"> <li>The outcome of this course is to enhance the learner with the basic ideas of primary, secondary and tertiary activities and its spatio-temporal pattern.</li> <li>The learners will also acquire the knowledge of some economic development models in relation to agriculture and industry.</li> </ul>
				COURSE C 9 GGRH402T6: ENVIRONMENTAL GEOGRAPHY (THEORY)	<ul style="list-style-type: none"> <li>The outcome of this course is to develop conceptual and theoretical ideas of environment as well as relationship between man and environment in different geo climatic regions.</li> </ul>



					<ul style="list-style-type: none"> <li>The learners will also attain the nature and intensity of some burning environmental issues at local, regional and global level along with mitigation programs and policies.</li> </ul>
				<p>COURSE C10 GGRH403T4</p> <p>REMOTE SENSING AND GIS (THEORY)</p>	<ul style="list-style-type: none"> <li>The outcome of this course is to enhance the ability of the learners in the field of latest satellite based technology and data source such as remote sensing.</li> </ul>
				<p>COURSE C10 GGRH403P2: REMOTE SENSING AND GIS (PRACTICAL)</p>	<ul style="list-style-type: none"> <li>The objective of the course is to develop some practical knowledge and skills in diversified applications of remote sensing data and technology</li> </ul>
				<p>PAPER: GE-4 INDUSTRIAL GEOGRAPHY</p>	<p>Student will</p> <ul style="list-style-type: none"> <li>Understand the nature and Scope of Industrial Geography and Types of industries its Geographical Characteristics and Location of Industries</li> <li>Learn the impact of Industrialization in India: Environmental; Social and Economic</li> </ul>
			Semester 5	<p>COURSE C11 GGRH 501T4</p> <p>REGIONAL PLANNING AND DEVELOPMENT (THEORY)</p>	<ul style="list-style-type: none"> <li>The outcome of the paper is to improve the understanding of learners about Region, regionalization,</li> </ul>

					<p>Regional planning and development.</p> <ul style="list-style-type: none"> <li>It will also incorporate models associated with economic growth and development</li> </ul>
				<p>COURSE C11 GGRH501P2 REGIONAL PLANNING AND DEVELOPMENT (PRACTICAL)</p>	<ul style="list-style-type: none"> <li>The basic objective of the course is to enhance the learner in the field of demarcation and distribution of resources</li> </ul>
				<p>COURSE C12 GGRH502T4 POPULATION GEOGRAPHY (THEORY)</p>	<ul style="list-style-type: none"> <li>The outcome of this course is to enhance the learner with the basic ideas of population size, composition, growth and distribution along with its determinants.</li> <li>The course will also incorporate contemporary issues of population.</li> </ul>
				<p>DSE-1 SETTLEMENT GEOGRAPHY</p>	<ul style="list-style-type: none"> <li>Student will Learn the Settlement Concept, classification, distribution and the changing relationship with the environment</li> </ul>
				<p>DSE-2 AGRICULTURAL GEOGRAPHY</p>	<ul style="list-style-type: none"> <li>Student will</li> <li>Know the scope of Agriculture Geography and learned the agriculture region of India.</li> <li>Gain Knowledge on</li> </ul>



					different theories associated with Agriculture Region.
			Semester 6	COURSE C 13 GGRH601T6  EVOLUTION OF GEOGRAPHICAL THOUGHT (THEORY)	<ul style="list-style-type: none"> <li>The outcome of the course is familiarizing the learner towards the development of geographic ideas during the era of ancient, pre-modern and modern period.</li> <li>The course will also enlighten the learners with the contemporary issues and approaches of development of the discipline.</li> </ul>
				COURSE C14 GGRM602T6  DISASTER MANAGEMENT BASED PROJECT WORK	<ul style="list-style-type: none"> <li>The main objective of the field work is to conduct an extensive survey over an area to evaluate the nature, intensity, frequency and impact of a Hazard/ disaster and suggesting possible mitigation measures</li> </ul>
7.	Hindi	The outcome of this programme is to create awareness among students on different forms of Hindi Prose and Poetry	Semester 1	AECC-2A(MIL) Hindi Kavya and Gadya	<ul style="list-style-type: none"> <li>Student will be able to know about the Prachin Kavya, Aadhunik Kavya, katha Kahari and Nibandha</li> </ul>
8.	History	Student acquaint with critical thinking skills in the historical	Semester 1	HISHC101 HISTORY OF INDIA -I	<ul style="list-style-type: none"> <li>Students will be acquainted the various ancient cultures, the technological, economic, political and religious</li> </ul>



		method including the importance of primary sources, historical context, and cause and effect in a chronological sense.			development of the period concerned
				HISHC102 SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD	<ul style="list-style-type: none"> <li>The students will be acquainted with the evolution of humankind, the beginning of food production, the Bronze Age., advent of iron, the slave society in ancient Greece, the economy and the Political culture of the ancient Greece</li> </ul>
				HISGE 1: HISTORY OF ASSAM 1228-1826	<ul style="list-style-type: none"> <li>This paper will acquaint the students with major stages of developments in the political, social and cultural history of the state during the most important formative period</li> </ul>
			Semester 2	HISHC103 HISTORY OF INDIA –II	<ul style="list-style-type: none"> <li>This paper will acquaint the students with agrarian economy, the growth of urban centres in northern and central India and the Deccan as well as craft production, trade routes and coinage</li> </ul>
				HISHC104 SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD	<ul style="list-style-type: none"> <li>Students will be acquainted with the Roman Empire, slave society, the cultural and trade.</li> <li>Students will be acquainted with the crisis and disintegration of the</li> </ul>

					<ul style="list-style-type: none"> <li>Roman Empire</li> <li>Students will learn the Economic development in Europe from 7th to 14th centuries covering production, technological developments, growth of towns and trade and feudal crisis.</li> </ul>
				HISGE 2: HISTORY OF INDIA FROM THE EARLIEST TIMES TO 1526	<ul style="list-style-type: none"> <li>This paper will acquaint the students with the general outline of the history of India from the known earliest times to the coming of the Mughals to India in the first quarter of the 16th century.</li> </ul>
			Semester 3	HISHC105: HISTORY OF INDIA-III	<ul style="list-style-type: none"> <li>Students will be acquainted with the rise and structure of state during (c. 750 - 1206)</li> </ul>
				HISHC106: RISE OF MODERN WEST	<ul style="list-style-type: none"> <li>Students will learn the transition from Feudalism to Capitalism, Renaissance, Origins and social background of Reformation, Economic developments of the sixteenth century and Emergence of European State System</li> </ul>
				HISHC107: HISTORY OF INDIA-IV	<ul style="list-style-type: none"> <li>Students will be acquainted with History of India</li> </ul>





					during (c.1206 - 1550)
				HISGE 3: HISTORY OF INDIA 1526-1947	<ul style="list-style-type: none"> <li>This paper will acquaint students the political Conditions in Northern India in the beginning of the 16th century- The Afghan Empire and the Mughals- Resistance vs. Struggle for Hegemony</li> </ul>
		Semester 4		HISHC108: RISE OF THE MODERN WEST-II	<ul style="list-style-type: none"> <li>Students will be acquainted with the agriculture, industry, political and social dimension in 17<sup>th</sup> century.</li> </ul>
				HISHC109: HISTORY OF INDIA-V	<ul style="list-style-type: none"> <li>Students will gain knowledge on History during c. 1550 - 1605: Establishment of Mughal rule, consolidation of Mughal rule under Akbar, Society, kinship etc.</li> </ul>
				HISHC1010: HISTORY OF INDIA-VI	<ul style="list-style-type: none"> <li>Students will gain knowledge on History during c. 1605 - 1750s</li> </ul>
				HISGE 4.1: HISTORY OF MODERN ASSAM (1826-1947)	<ul style="list-style-type: none"> <li>Acquaint students with the political Condition in Assam on the Eve of the British rule.</li> </ul>
		Semester 5		HISHC1011: HISTORY OF MODERN EUROPE-I	<ul style="list-style-type: none"> <li>Students will gain knowledge on History during c. 1780-1919: the French Revolution</li> </ul>

					and its European Repercussion
				HISHC1012: HISTORY OF INDIA -VII	<ul style="list-style-type: none"> <li>Students will gain knowledge on History during c. 1750 – 1857: India in the Mid-18th Century; Colonial State and Ideology</li> </ul>
				HISHDSE 501: EARLY AND MEDIEVAL ASSAM TILL 1826	<ul style="list-style-type: none"> <li>Enlighten the students on the basic knowledge of Ahom kingdom from the rise to its decline.</li> </ul>
				HISHDSE 502: HISTORY OF MODERN ASSAM 1826-1947	<ul style="list-style-type: none"> <li>Acquaint students with the political Condition in Assam on the Eve of the British rule</li> </ul>
				HISHC1013: HISTORY OF INDIA-VIII	<ul style="list-style-type: none"> <li>Students will gain knowledge on History during c. 1857 – 1950: Cultures Changes and Social and Religious Reform Movements</li> </ul>
			Semester 6	HISHC1014: HISTORY OF MODERN EUROPE-II	<ul style="list-style-type: none"> <li>Students will gain knowledge on History Modern Europe during c. 1780 -1939</li> </ul>
				HISHDSE 601: SOCIAL AND ECONOMIC HISTORY OF ASSAM	<ul style="list-style-type: none"> <li>Acquaint students with the social and economic background of ancient and medieval Assam</li> </ul>
				HISHDSE 602: HISTORIOGRAPHY	<ul style="list-style-type: none"> <li>Students will learn the Scope and Purpose of History, Varieties of History,</li> </ul>



					<p>Causation in History and Historical Traditions in India.</p> <ul style="list-style-type: none"> <li>Students know about the development of History Writing in India in Modern Period.</li> </ul>
9	Philosophy	Acquaint with different schools of philosophy and identify multiple sides of complex philosophical issues.	Semester 1	C1: INDIAN PHILOSOPHY	<ul style="list-style-type: none"> <li>It intends to acquaint the students with the basic problems of epistemology and metaphysics in Classical Indian Philosophy.</li> </ul>
				C2: LOGIC	<ul style="list-style-type: none"> <li>Its aims at acquainting the students with logical reasoning and testing of them in Aristotelian and Modern Symbolic Logic</li> </ul>
				GE1: INTRODUCTION TO PHILOSOPHY	<ul style="list-style-type: none"> <li>Acquaint the students with basic ideas of philosophy concerning theories and categories of knowledge and truth</li> </ul>
			Semester 2	C3: ANCIENT GREEK PHILOSOPHY	<ul style="list-style-type: none"> <li>It intends to acquaint students with the problems of epistemology and metaphysics of Greek Philosophy.</li> </ul>
				C4: INDIAN LOGIC	<ul style="list-style-type: none"> <li>Comprehend students with the development of critical understanding of Indian Logic.</li> </ul>
				GE2: INTRODUCTION TO LOGIC	<ul style="list-style-type: none"> <li>Students become familiar with the basic ideas of Aristotelian and Symbolic logic</li> </ul>
			Semester 3	C6: INDIAN ETHICS	<ul style="list-style-type: none"> <li>Get the basic knowledge of ethics</li> </ul>



					and Indian Philosophy and develop critical thinking.
				C7: WESTERN ETHICS	<ul style="list-style-type: none"> <li>The course intends to introduce students with different ethical concepts of Western Philosophy and to develop critical understanding</li> </ul>
				GE3: FUNDAMENTALS OF INDIAN PHILOSOPHY	<ul style="list-style-type: none"> <li>Acquaint the students with the basic problems of Epistemology and Metaphysics in Classical Indian Philosophy</li> </ul>
			Semester 4	C8: CONTEMPORARY INDIAN PHILOSOPHY-I	<ul style="list-style-type: none"> <li>Acquaint the students with the philosophical problems from the perspective of contemporary Indian philosophy</li> </ul>
				C9: SOCIAL AND POLITICAL PHILOSOPHY	<ul style="list-style-type: none"> <li>Knowledge of different social and political ideas from philosophical perspective and to develop systematic and critical understanding about them.</li> </ul>
				C10: PHILOSOPHY OF RELIGION	<ul style="list-style-type: none"> <li>Acquaint the students with different philosophical issues and theories regarding religion</li> </ul>
				GE4: APPLIED ETHICS	<ul style="list-style-type: none"> <li>Comprehend the students with basic ideas of applied ethics concerning value of life, environmental ethics and professional ethics.</li> </ul>
			Semester 5	C11: CONTEMPORA	<ul style="list-style-type: none"> <li>Students will be able to explore different</li> </ul>





				RY INDIAN PHILOSOPHY – II	interpretations given by Contemporary Indian thinkers and to develop critical understanding about them
				C12: EXISTENTIALISM AND PHENOMENOLOGY	<ul style="list-style-type: none"> <li>Learn the important movements and positions of western philosophy with specific thinkers.</li> </ul>
				DSE-1 (I): PHILOSOPHY OF VEDAS AND UPANISADS	<ul style="list-style-type: none"> <li>Acquaint the students with the origin and history of Indian Philosophy</li> </ul>
				DSE-2 (I): META-ETHICS	<ul style="list-style-type: none"> <li>Acquaint the students with certain problems of meta-ethics and to develop an understanding on them.</li> </ul>
			Semester 6	C13: COMPARATIVE RELIGION	<ul style="list-style-type: none"> <li>Acquaint the students with characteristics and comparative study of different aspects of world religions.</li> </ul>
				C14: ANALYTIC PHILOSOPHY	<ul style="list-style-type: none"> <li>Acquaint the analytic trends in western philosophy and its different dimensions leading to critical analysis.</li> </ul>
				DSE-3(I): PSYCHOLOGY	<ul style="list-style-type: none"> <li>Acquaint the students with the nature as well as methods of psychology and the traits of personality with theories of learning.</li> </ul>
				DSE-4 (I): APPLIED ETHICS	<ul style="list-style-type: none"> <li>Students will be able to learn the basic ideas of applied ethics will be concerned about value of life, environmental ethics and professional ethics.</li> </ul>

10	Political Science	This paper aims to provide students a sound understanding of political science, including various approaches, ideological perspectives and relationship with other Social Sciences	Semester 1	C1 UNDERSTANDING POLITICAL THEORY	<ul style="list-style-type: none"> <li>Comprehend the students to the idea of political theory, its history and approaches, and an assessment of its critical and contemporary trends. Further, it tends to reconcile political theory and practice through reflections on the ideas and practices related to State, Citizenship and Democracy</li> </ul>
				C2 CONSTITUTIONAL GOVERNMENT AND DEMOCRACY IN INDIA	<ul style="list-style-type: none"> <li>Knowledge about the constitutional design of States' structure and institutions, and their actual working over time.</li> <li>Understand the Constitution of India accommodates conflicting impulses (of liberty and justice, territorial decentralization and a strong union, for instance) within itself.</li> <li>The course traces the embodiment of some of these conflicts in constitutional provisions, and shows how these have played out in political practice.</li> </ul>
				GE-1A NATIONALISM IN INDIA	<ul style="list-style-type: none"> <li>Students will understand the struggle of Indian people against colonialism.</li> <li>Students gain knowledge on various conflicts and</li> </ul>



					contradictions by focusing on its different dimensions: communalism, class struggle, caste and gender questions.
			Semester 2	C3 POLITICAL THEORY- CONCEPTS AND DEBATES	<ul style="list-style-type: none"> <li>• The course helps the student familiarize with the basic normative concepts of political theory.</li> <li>• It introduces the students to the important debates in the subject.</li> </ul>
				C4 POLITICAL PROCESS IN INDIA	<ul style="list-style-type: none"> <li>• Can understand the political process that calls for a different mode of analysis - that offered by political sociology.</li> <li>• It also familiarizes students with the working of the Indian state, paying attention to the contradictory dynamics of modern state power.</li> </ul>
				GE-2A FEMINISM: THEORY AND PRACTICE	<ul style="list-style-type: none"> <li>• Student will be able to explain contemporary debates on feminism and the history of feminist struggles.</li> </ul>
			Semester 3	C5 INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS	<ul style="list-style-type: none"> <li>• Clarify the basic concepts and approaches to the study of comparative politics.</li> <li>• Students can focus on examining politics in a historical framework while engaging with various themes of comparative analysis in developed and developing</li> </ul>

					countries.
				C 6 PERSPECTIVES ON PUBLIC ADMINISTRATI ON	<ul style="list-style-type: none"> <li>Acquaint students with public administration in its historical context with an emphasis on the various classical and contemporary administrative theories.</li> </ul>
				C 7 PERSPECTIVES ON INTERNATIONA L RELATIONS AND WORLD HISTORY	<ul style="list-style-type: none"> <li>It will equip students with the basic intellectual tools for understanding International Relations.</li> <li>And make students aware of the implicit Euro - centralism of International Relations by highlighting certain specific perspectives from the Global South.</li> </ul>
			Semester 5	GE-3B GOVERNANCE: ISSUES AND CHALLENGES	<ul style="list-style-type: none"> <li>Understand the importance of the concept of governance in the context of a globalizing world, environment, administration, development</li> </ul>
				C 8 POLITICAL PROCESSES AND INSTITUTIONS IN COMPARATIVE PERSPECTIVE	<ul style="list-style-type: none"> <li>This course will comprehend students in the application of comparative methods to the study of politics and introduce the students on some of the range of issues, literature, and methods that cover comparative politics.</li> </ul>
				C 9 PUBLIC POLICY AND	<ul style="list-style-type: none"> <li>Students will have knowledge about the interface between</li> </ul>





				ADMINISTRATI ON IN INDIA	<p>public policy and administration in India.</p> <ul style="list-style-type: none"> <li>Acquaint the students with the issues of decentralization, financial management, citizens and administration and social welfare from a non-western perspective</li> </ul>
				C 10 GLOBAL POLITICS	<ul style="list-style-type: none"> <li>It will acquaint the students to the key debates on the meaning and nature of globalization by addressing its political, economic, social, cultural and technological dimensions.</li> </ul>
				GE-4B UNITED NATIONS AND GLOBAL CONFLICTS	<ul style="list-style-type: none"> <li>Students will be acquainted with a critical understanding of the UN's performance until now and the imperatives as well as processes of reforming the organization in the context of the contemporary global system.</li> </ul>
		Semester 5		C 11 CLASSICAL POLITICAL PHILOSOPHY	<ul style="list-style-type: none"> <li>Understand the Greek antiquity and familiarize students with the manner in which the political questions were first posed. Machiavelli comes as an interlude inaugurating modern politics followed by Hobbes and Locke.</li> </ul>

				C 12 INDIAN POLITICAL THOUGHT-I	<ul style="list-style-type: none"> <li>This course will provide a sense of the broad streams of Indian thought while encouraging a specific knowledge of individual thinkers and texts.</li> </ul>
				DSE-1A CONTEMPORA RY POLITICS IN ASSAM	<ul style="list-style-type: none"> <li>Acquaint the students with the politics of contemporary Assam and its neighbouring states.</li> </ul>
				DSE-2A HUMAN RIGHTS IN A COMPARATIVE PERSPECTIVE	<ul style="list-style-type: none"> <li>The course will build an understanding of human rights among students through a study of specific issues in a comparative perspective</li> </ul>
				Semester 6	
				C 13 MODERN POLITICAL PHILOSOPHY	<ul style="list-style-type: none"> <li>Students will be exposed to the manner in which the questions of politics have been posed in terms that have implications for larger questions of thought and existence.</li> </ul>
				C 14 INDIAN POLITICAL THOUGHT-II	<ul style="list-style-type: none"> <li>Students will understand a wide span of thinkers and themes that defines the modernity of Indian political thought.</li> </ul>
11.	Sanskrit	Enhanced understanding of the structure of Sanskrit language and help in building of character and inculcation of	Semester 1	Paper Code: GE - 1. Paper Title : Basic Sanskrit	<ul style="list-style-type: none"> <li>Students will be acquainted with the basic knowledge of Sanskrit Grammar.</li> <li>The course will develop skill in framing sentences in Sanskrit.</li> </ul>



		moral, social, spiritual values that contribute to personality development.			
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## PROGRAMME AND COURSE OUTCOMES (B.Sc)

Sl.No	Departments	Programme Specific Outcomes	Semester	Course Outcomes	
				Course	Outcomes
1.	Botany	The range of plant diversity in terms of structure, function and environmental relationships. Students developed skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of biological materials and data.	Semester 1	Course Code: BC101T  Core Course I: Microbiology and Philology	The outcome of this course is to provide knowledge to the students on various forms of microbes and algae - their characteristics and economic importance.
				BC101P Core course-I Practical Microbiology and Philology	
				Course Code: BC101P  Core Course I - Practical: Microbiology and Phycology	Introduce students with types of Bacteria to be observed from temporary/permanent slides/photographs including electron micrographs of bacteria, binary fission, endospore, conjugation, root Nodule.
				Course Code: BC102T  Core Course II:	The outcome of this course is to expose the students to molecular organisations life and also discusses cellular and molecular

				Biomolecules and Cell Biology	processes of life.
				BC102P Core course-II Practical Biomolecules and Cell Biology	The outcome of this course is to create a practical knowledge base about plant cell structure, Cytochemical staining of DNA-Feulgen and cell wall in the epidermal peel of onion using Periodic Schiff's (PAS) staining technique
				BG101T Biodiversity (Microbes, Algae, Fungi and Archegoniate)	The students become aware of the various groups of organisms, Bacteria, viruses, algae bryophytes, pteridophytes and gymnosperms that have given rise to land habit.
			Semester 2	Course Code: BC203T Core Course III: Mycology and Phytopathology	The outcome of this course is to create knowledge base among students on the fungal world, different fungal diseases; their economic importance etc.
				BC203p Practical Core Course III: Mycology and Phytopathology	The outcome of the course is the creation of knowledge base about Fungi, <i>Rhizopus</i> : asexual stage from temporary mounts and sexual structures through permanent slides, <i>Aspergillus</i> and <i>Penicillium</i> : as well as study of asexual stage from temporary mounts.



				<p>Course Code: BC204T</p> <p>Core Course IV:Archegoniate</p>	The outcome of this course is to expose the students on Bryophyte, Gymnosperms and Fossil Plants
				<p>Course Code: BC204P</p> <p>Core Course IV - Practical: Archegoniate</p>	The outcome of this course is to provide a knowledge base of Morphology of thallus, whole mount of rhizoids & Scales, vertical section of thallus through Gemma cup, whole mount of Gemmae (all temporary slides), vertical section of Antheridiophore, Archegoniophore, longitudinal section of Sporophyte (all permanent slides).
				<p>Course Code: B202T</p> <p>Plant physiology and Metabolism</p>	Acquire knowledge in various physiological processes occur in plant. Students able to know physiology and structure of plants together with a better understanding of regulation of growth and development and influence of environment.
			Semester 3	<p>Course Code: BC305T</p> <p>Core Course V: Anatomy of Angiosperms</p>	The outcome of this course is to expose the students on the structural and anatomical organizations of plant tissues and their development
				<p>Course Code: BC305P</p> <p>Core Course V- Practical: Anatomy of Angiosperms</p>	The outcome of the course is creation of a knowledge base on anatomical details through permanent slides/temporary stain mounts/ macerations/ museum specimens with the help of suitable examples, Apical meristem of root, shoot and vascular cambium.

					To study about the distribution and types of parenchyma, collenchyma and sclerenchyma, Xylem: Tracheary elements-tracheids, vessel elements; thickenings; perforation plates; xylem fibres.
				Course Code: BC306T Core Course VI: Economic Botany	The outcome of this course is to expose the students on various economically important plants and plant products
				Course Code: BC306P Core Course VI - Practical: Economic Botany	This course will to introduce students to economic botany
				Course Code: BC307T Core Course VII: Genetics	The outcome of this course is to impart knowledge of the principles of heredity and different mechanisms of inheritance
				Course Code: BC307P Core Course VII - Practical: Genetics	<p>The outcome is to create practical knowledge base on Meiosis through temporary squash preparation, Mendel's laws through seed ratios.</p> <p>Laboratory exercises in probability and chi-square, Chromosome mapping using point test cross data, Pedigree analysis for dominant and recessive autosomal and sex-linked traits are some important</p>



					aspects of the paper.
				Course code: BG303 Plant Anatomy and Embryology	Will Expose the students to the types of plant tissues their arrangement and also to plant reproduction
				Course Code: BC408T Core Course VIII: Molecular Biology	The outcome of this course is to expose the students to Biological Macromolecules and various processes involved with these macromolecules
				Course Code: BC408P Core Course VIII - Practical: Molecular Biology	The outcome of this course is to give students knowledge about preparation of LB medium and raising <i>E. Coli</i> along with Isolation of genomic DNA and DNA estimation by diphenylamine reagent/UV Spectrophotometry.
				Course Code: BC409T Core Course IX: Plant Ecology and Phytogeography	The outcome of this course is to expose the students to interaction of plant with its surroundings and also the geographic distribution of different plants
				Course Code: BC409P Core Course IX - Practical Plant Ecology and Phytogeography	The outcome of the course is to inform and give students knowledge about instruments used to measure microclimatic variables: Soil thermometer, maximum and minimum thermometer, anemometer, psychrometer/hygrometer, rain gauge and lux meter.

				Course Code: BC410T  Core Course X: Plant Systematics	The outcome of this course is to expose the students to identification, classification and nomenclature of higher plants
				Course Code: BC410P  Core Course X – Practical: Plant Systematics	The outcome of this course is to create practical knowledge base of vegetative and floral characters of the following families (Description, V.S. flower, section of ovary, floral diagrams, floral formula/e and systematic position according to Bentham & Hooker's system of classification)
				Course Code: BG404T  Plant Ecology and Taxonomy	Will acquaint the students with interaction of plant life with the surroundings and also to identification, classification and nomenclature of plants
			Semester 5	Course Code: BC511T Core Course XI  Reproductive Biology of Angiosperms	The outcome of this course is to expose the students to the process and mechanisms of plant reproduction
				Course Code: BC511P Core Course XI  – Practical  Reproductive Biology of Angiosperms	The outcome of this course is to create practical knowledge base of anther, pollen grains, ovule, female gametophyte through permanent slides, Intra-ovarian pollination etc.
				Course Code: BC512T Core Course XII Plant Physiology	The outcome of this course is to expose the students to different physiological processes in plant life



				C: BC512P Core Course XII – Practical Plant Physiology	The outcome of this course is to introduce students with plant physiology
				Course Code: BD502T DSE- 2: Bioinformatics	Students will be able to implement solutions to basic bioinformatics problems
				Course Code: BD502T DSE-4 Industrial and Environmental Microbiology	Students will be equipped with a theoretical and practical understanding of industrial and Environmental microbiology
				Course Code: BC613T Core Course XIII Plant Metabolism	The outcome of this course is to expose the students to various metabolic processes involved with plant life
				Course Code: BC613P Core Course XIII - Practical Plant Metabolism	The outcome of this course is to create a practical knowledge base among students on Plant Metabolism
				Course Code: BC614T Core Course XIV Plant Biotechnology	The outcome of this course is to expose the students to application of modern tools and techniques in Biology

				<p>Course Code: BC614P</p> <p>Core Course XIV – Practical</p> <p>Plant Biotechnology</p>	The outcome of this course is to create practical knowledge among students about plant biotechnology
2.	Chemistry	Students acquaint the theoretical as well as practical knowledge of handling chemicals and Learn the laboratory skills and safely to transfer and interpret knowledge entirely in the working environment.	Semester 1	<p>CHEMISRY-C-101 Atomic Structure and Chemical Bonding</p> <p>CHEMISRY -C-102 States of Matter and Ionic Equilibrium</p>	<p>This paper will help the students to:</p> <ul style="list-style-type: none"> <li>• Develop the basic knowledge of chemistry in relation to atomic structure, bonding, periodicity etc.</li> <li>• Understand the Sign of wave function, counter boundary and probability diagrams etc.</li> <li>• Comprehend the knowledge of properties of elements, atomic radii, ionic radii, size effect of ionic bond, solvation energy, covalent character of ionic bond, redox equations, principle involved in volumetric analysis e</li> </ul> <p>Students will</p> <ul style="list-style-type: none"> <li>• Gain an understanding of Kinetic molecular model of a gas, behaviour of real gases etc</li> <li>• Know the Effect of addition of various solutes on surface tension and viscosity. Cleansing action of detergents.</li> <li>• Acquaint the nature of solid state, elementary idea of symmetry and Idea of solubility and solubility product of sparingly soluble sal</li> </ul>




				CHEMISTRY-GE-101 4 Atomic Structure, Bonding, General Organic I Chemistry and Aliphatic Hydrocarbons	<p>Students will:</p> <ul style="list-style-type: none"> <li>Understand the applications of general concepts of organic chemistry and applications of chemical bonds</li> </ul>
			Semester 2	CHEMISRY -C-201 Hydrocarbons and Stereochemistry	<ul style="list-style-type: none"> <li>Gain Knowledge of basic organic chemistry, definition, classification of stereoisomerism, optical activity, absolute and relative configuration etc.</li> <li>Understand the elimination reaction, electrophilic and nucleophilic addition.</li> </ul>
				CHEMISRY -C-202 Chemical Thermodynamics and its Applications	<ul style="list-style-type: none"> <li>Comprehend the application of mathematical tools to calculate thermodynamic properties</li> <li>Help to develop a strong knowledge on chemical thermodynamics, their mathematical expression &amp; application.</li> </ul>
				CHEMISTRY-GE-201 4 Chemical Energetics, Equilibria and II Functional Group Organic Chemistry-I	<ul style="list-style-type: none"> <li>Understand the three laws of thermodynamics and the concepts of equilibrium state</li> <li>Acquire knowledge about the criteria for the spontaneity of a reaction</li> </ul>
			Semester 3	CHEMISRY -C-301 s- & p-block Elements and Metallurgy	<ul style="list-style-type: none"> <li>This course will make the student familiar with the chemistry of s, p block elements, noble gases, inorganic polymers &amp; metallurgy.</li> </ul>
				CHEMISRY -C-302 Halogen & Oxygen Containing Functional Group	<ul style="list-style-type: none"> <li>Student will develop preliminary knowledge on the synthesis, properties of organic compounds of Halogen &amp; oxygen containing</li> </ul>

					Functional groups.
				CHEMISRY -C-303 Phase Equilibria and Chemical Kinetics	<ul style="list-style-type: none"> <li>Acquaint students in details on phase equilibria, chemical kinetics, catalysis and surface chemistry.</li> </ul>
				CHEMISTRY-GE-301 Solutions, Phase Equilibrium, Conductance, Electrochemistry and Functional Group Organic Chemistry-II	<ul style="list-style-type: none"> <li>Understand the applications of thermodynamic principles to solutions, critical solution temperature and Nernst distribution law and its applications.</li> </ul>
			Semester 4	CHEMISRY -C-401 Coordination Chemistry and its Applications	<ul style="list-style-type: none"> <li>Develop a vivid knowledge on coordination chemistry and its application extended to biological system</li> <li>Learn to use chelating agents in medicine</li> </ul>
				CHEMISRY -C-402 Heterocyclic Chemistry	<ul style="list-style-type: none"> <li>Develop the knowledge on the preparation and properties of different classes nitrogen containing compounds. Emphasis is given to heterocyclic compounds of both synthetic and natural origin</li> </ul>
				CHEMISRY -C-403 Electrochemistry	<ul style="list-style-type: none"> <li>Develop the basic knowledge on electrochemistry, various laws governing electro chemical process and their application of conductance measurement</li> </ul>
				CHEMISTRY-GE-401 Transition metals, Coordination Chemistry, IV States of Matter and Chemical Kinetics.	<ul style="list-style-type: none"> <li>Students will be able to Identify quality of any chemical and any formulation</li> </ul>
			Semester 5	CHEMISRY -C-501 Biomolecules	<ul style="list-style-type: none"> <li>Acquired knowledge in organic synthesis, retro synthesis, and to understand biochemistry</li> </ul>



				<p>CHEMISRY -C-502 Quantum Chemistry and Spectroscopy</p>	<ul style="list-style-type: none"> <li>• Make the students familiar with the various aspects of photo chemistry and quantum chemistry and the difference between classical and quantum mechanics.</li> <li>• Learn how to interpret spectra and the role of photochemical reaction in biochemical processes.</li> </ul>
				<p>CHEMISTRY-DSE-501 Analytical Methods in Chemistry</p>	<ul style="list-style-type: none"> <li>• Students will be acquainted with qualitative and quantitative aspect of solvent extraction, chromatographic method of analysis -TLC &amp; HPLC</li> </ul>
				<p>CHEMISTRY-DSE-502 Green Chemistry</p>	<ul style="list-style-type: none"> <li>• Students will understand the concept of green chemistry. Learned to use of safer chemicals and used green chemistry in our day to day life.</li> </ul>
				<p>CHEMISRY -C-601 Organometallic Chemistry</p>	<ul style="list-style-type: none"> <li>• Acquaint with various aspects of knowledge on organometallic chemistry, its application and Inorganic Reaction Mechanism.</li> </ul>
				<p>CHEMISRY -C-602 Spectroscopy, Dyes and Polymers</p>	<ul style="list-style-type: none"> <li>• Acquaint students on application of Spectroscopy (UV – visible, IR and NMR), carbohydrates, dyes and polymers.</li> </ul>

  
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3	Mathematics	<p>The outcome of the B.Sc. Programme in Mathematics is listed as follows. After completing the programme, the students will be able to-</p> <p>(1) Apply Mathematics as a tool to solve problems of other disciplines viz., Science and Technology, Commerce and Management, Humanities, Soft-computing etc.</p> <p>(2) Pursue higher studies in the subject to take part in the academic upliftment of the subject.</p> <p>(3) Develop new techniques/m methods for</p>		C1 Calculus (P)	<p>The outcome of this course is to:</p> <ul style="list-style-type: none"> <li>• Apply Calculus in real life problems</li> <li>• Formulate mathematical models</li> </ul>
				C2 Algebra	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> <li>• Describe various algebraic structures on sets</li> <li>• Identify the algebraic structures present in different branches of sciences</li> </ul>
				C3 Real Analysis	<p>The outcome of this course is to:</p> <ul style="list-style-type: none"> <li>• Identify the properties of the number system.</li> <li>• Describe various analytical properties of the real number system.</li> </ul>
				C4 Differential Equations (P)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> <li>• Use the techniques to solve differential equations.</li> <li>• Apply these techniques in various mathematical models used in real life problems.</li> </ul>
				C5 Theory of Real functions	<p>The outcome of the course is to acquaint students with the:</p>



		solving the unsolved problems of the other disciplines.			<ul style="list-style-type: none"> <li>• Concept of limit, continuity and differentiability of real valued functions</li> <li>• Expansion of functions in series and different form of remainders</li> </ul>
		(4) Construct Mathematical models of real life problems and make their predictions, estimations, and regression.		C6 Group Theory I	<p>The students will be able to:</p> <ul style="list-style-type: none"> <li>• Describe various group structures on sets.</li> <li>• Identify the group structures present in different branches of sciences.</li> </ul>
				C7 PDE and Systems of ODE (P)	<p>After going through this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Make mathematical formulations and their solutions of various physical problems;</li> <li>• Design mathematical models used in heat, wave.</li> <li>• Describe the Laplace equation and their solutions.</li> </ul>
				C8 Numerical Methods(P)	<p>After going through this course, the students will be able to</p> <ul style="list-style-type: none"> <li>• Discuss various numerical methods and interpolation formulae</li> <li>• Apply numerical techniques for solving differential equation.</li> </ul>
				C9 Riemann Integration and Series of Functions	<p>The outcome of this course is to make the students able to perform:</p> <ul style="list-style-type: none"> <li>• Riemann integration, improper integrals</li> <li>• Differentiation and integration</li> </ul>

					of power series
				C10 Ring Theory and Linear Algebra I	<p>After going through this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Describe various ring structures on sets.</li> <li>• Solve the system of linear equations.</li> </ul>
				C11 Multivariate Calculus	<p>After going through this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Apply results from preliminary concepts to solve contemporary problems.</li> <li>• Apply the concepts in communication theory, electrical engineering, computer science and cryptography</li> </ul>
				C12 Group Theory II	<p>The outcome of this course is to:</p> <ul style="list-style-type: none"> <li>• Apply results from preliminary concepts to solve contemporary problems.</li> <li>• Apply the concepts in communication theory, electrical engineering, computer science and cryptography</li> </ul>
				C13 Metric Spaces and Complex Analysis	<p>After going through this course, the students will be able to describe:</p> <ul style="list-style-type: none"> <li>• Various properties of metrics spaces</li> <li>• Complex number system, its differentiation and integration.</li> </ul>
				C14 Ring Theory and Linear Algebra II	<p>The outcome of this course is to make students able to perform:</p> <ul style="list-style-type: none"> <li>• Apply theorems proof/ solution techniques to solve real world problems</li> <li>• Find the matrix associated with</li> </ul>



					a linear transformation w.r.t. given bases and can understand the relationship between operations of linear transformations and corresponding matrices.
4.	Physics		Semester 1	Course Code: PHYSICS-C-I Course Title: MATHEMATICAL PHYSICS – I	<ul style="list-style-type: none"> <li>Student will be able to understand the fundamental topics in Physics through requisite mathematical skills</li> </ul>
				Course code: Physics-C- II Course title: MECHANICS	<ul style="list-style-type: none"> <li>Students will understand conservation laws as they are the fundamental laws of nature and will help them in realizing a crucial phenomenon of nature- symmetry and also simple harmonic oscillator.</li> </ul>
				Course Code: PHYSICS-GE-1 Course Title: MECHANICS	<ul style="list-style-type: none"> <li>Develop basic knowledge of mechanics as it is helpful to study any other course in science discipline.</li> </ul>
			Semester 2	Course code: PHYSICS-C III Course title: ELECTRICITY AND MAGNETISM	<ul style="list-style-type: none"> <li>Develop the basic theoretical knowledge as well as experimental skills of the students on electrical networking</li> <li>Students get trained to handle and repair instruments based on electric and magnetic field effects.</li> </ul>
				Course code: PHYSICS-C IV Course title: WAVES AND OPTICS	Students will be able to: <ul style="list-style-type: none"> <li>Analyze different phenomena due to the interaction of light with light and matter</li> <li>Get skill to use different optical instruments.</li> </ul>
				Course Code: PHYSICS-GE-2	Students will be able to: <ul style="list-style-type: none"> <li>perform quantitative</li> </ul>

				Course Title: ELECTRICITY AND MAGNETISM	analyses of basic problems in Electrostatics and Magnetodynamics
			Semeste r3	Course Code : PHYSICS-C-V Course Title : MATHEMATICAL PHYSICS – II	<ul style="list-style-type: none"> <li>• Enable a student to understand the use and importance of computational / numerical methods in Physics and enable a student to construct a Physics problem computationally.</li> </ul>
				Course Code: PHYSICS C-VI Course Title: THERMAL PHYSICS	<ul style="list-style-type: none"> <li>• Students will be trained to apply the laws of thermodynamics in real world problems</li> </ul>
				Course Code: PHYSICS-C-VII Course Title: DIGITAL SYSTEMS AND APPLICATIONS	Students will be able to: <ul style="list-style-type: none"> <li>• Identify and understand digital electronic principles and systems</li> </ul>
				Course Code: PHYSICS-GE-3 Course Title: THERMAL PHYSICS AND STATISTICAL MECHANICS	Students will be able to <ul style="list-style-type: none"> <li>• Apply laws of thermodynamics and statistical mechanics to a range of situations in real world problems</li> </ul>
			Semeste r 4	Course Code: PHYSICS-C-VIII Course Title: MATHEMATICAL PHYSICS-I	<ul style="list-style-type: none"> <li>• Develop mathematical skills of a student to understand some of the fundamental topics and enable a student to understand the use and importance of computational/ numerical methods in Physics and to construct a problem computationally</li> </ul>
				Course Code: PHYSICS-C-IX Course Title: ELEMENTS OF MODERN PHYSICS	<ul style="list-style-type: none"> <li>• Develop the ability to apply it in solving simple problems in Quantum Mechanics (QM), structure of atoms, Laser, and Nuclear Physics</li> </ul>



				Course Code: PHYSICS-C-X Course Title: ANALOG SYSTEMS AND APPLICATIONS	<ul style="list-style-type: none"> <li>Learn the foundation knowledge of analog electronic systems and developed basic knowledge of operational amplifier and its applications</li> </ul>
				Course Code: PHYSICS-GE-4 Course Title: WAVES AND OPTICS	<ul style="list-style-type: none"> <li>Students will be able to justify different phenomena due to light and the interaction of light among them and with matter.</li> </ul>
			Semester 5	Course Code: PHYSICS-C-XI Course Title: QUANTUM MECHANICS AND APPLICATIONS	<ul style="list-style-type: none"> <li>Will learn how to apply quantum mechanics to solve physical systems in different areas of science.</li> </ul>
				Course Code: PHYSICS-C-XII Course Title: SOLID STATE PHYSICS	<ul style="list-style-type: none"> <li>Equip a student with basic concepts of solid state Physics so that the knowledge can be applied for further development of the subject</li> </ul>
				Course code: PHYSICS DSE -I Course title: CLASSICAL DYNAMICS	<ul style="list-style-type: none"> <li>Develop basic theoretical ingredients necessary to study advanced theoretical courses like quantum mechanics</li> </ul>
				Course code: PHYSICS DSE -2 Course title: ASTRONOMY AND ASTROPHYSICS	<ul style="list-style-type: none"> <li>Acquaint the students with basic knowledge of the Astrophysics</li> </ul>
			6	Course Code: PHYSICS-C-XIII Course Title: ELECTROMAGNETIC THEORY	<ul style="list-style-type: none"> <li>Students will be able to solve problems relevant to interfaces between media with defined boundary conditions</li> </ul>
				Course Code: PHYSICS-C-XIV Course Title: STATISTICAL MECHANICS	<ul style="list-style-type: none"> <li>Equip the students with basic knowledge of the Statistical Mechanics and hence will be able to look critically for analyzing any physical</li> </ul>

					phenomena
5.	Zoology	Demonstrate a broad understanding of animal diversity, including knowledge of the scientific classification and evolutionary relationships of major groups of animals.	Semester 1	ZC101T Non-chordates I: Protista to Pseudocoelomates	<ul style="list-style-type: none"> <li>Expose the students to various forms of protozoa and worms; their classification and structural anatomy.</li> </ul>
				ZC102T Principles of Ecology	<ul style="list-style-type: none"> <li>Familiarize the students with fundamentals of ecology and impacts of ecological factors on living organisms</li> </ul>
			Semester 2	ZC203T Non-chordates II: Coelomates	<ul style="list-style-type: none"> <li>Acquaint the students to various forms of coelomates, their classification and structural anatomy</li> </ul>
				ZC204T Cell Biology	<ul style="list-style-type: none"> <li>Expose the students to structure and function of a cell as the fundamental unit of life.</li> </ul>
				GE-2 Insect Vector & Diseases	<ul style="list-style-type: none"> <li>Students will be acquainted with the Carrier and Vectors borne diseases in human</li> <li>Students will learn about the different diseases transmitted by above insect vectors</li> </ul>
			Semester 3	ZC305T Diversity of chordates	<ul style="list-style-type: none"> <li>Various forms of chordates, their classification and structural anatomy.</li> </ul>
				ZC306T Physiology: Controlling and Coordinating systems	<ul style="list-style-type: none"> <li>Provide a foundation for understanding the complexities of the coordination system of animal body.</li> </ul>
				ZC307T	<ul style="list-style-type: none"> <li>Expose the</li> </ul>



				Fundamentals of Biochemistry	students to biomolecules of living organisms, their interactions for perpetuation of life.
			Semester 4	ZC408T Comparative anatomy of vertebrates	<ul style="list-style-type: none"> <li>Understand the Structure, functions and derivatives of integument</li> </ul>
				ZC409T Physiology: Life Sustaining Systems	<ul style="list-style-type: none"> <li>Acquaint the Structural organization and functions of</li> </ul>
				ZC410T Biochemistry of Metabolic Processes	<ul style="list-style-type: none"> <li>Students will be able to explain/describe the synthesis of proteins, lipids, nucleic acids, and carbohydrates and their role in metabolic pathways along with their regulation at the epigenetic, transcriptional, translational, and post-translational levels including RNA and protein folding, modification, and degradation.</li> </ul>
				GE-4 Environment & Public Health	<ul style="list-style-type: none"> <li>To ensure students are preparing for a career in the intersection between health and the environment.</li> </ul>
			Semester 5	ZC511T Molecular Biology	<ul style="list-style-type: none"> <li>Students will understand the chemical and molecular processes that occur in and between cells</li> </ul>
				ZC512T Principles of Genetics	<ul style="list-style-type: none"> <li>Understand the role of genetics, the structure of genomes, and cellular reproduction in prokaryotic and eukaryotic cell</li> </ul>
			Semester 6	ZC613T Developmental Biology	<ul style="list-style-type: none"> <li>Understand the mechanism animals embryos employ to generate pattern and</li> </ul>

					complexity.
				ZC614T Evolutionary Biology	<ul style="list-style-type: none"> <li>Students will be able to developed and explained the importance of evolutionary studies as a foundation of comparative biology</li> </ul>

## SKILL ENHANCEMENT COURSE

Sl. No.	Course	Outcomes
1.	SERICULTURE	Provide knowledge of applied subjects to develop various skills in sericulture to make a career and become an entrepreneur in the field.
2.	Web Design	Students will develop skills regarding web elements, website and will become familiar with graphic design and program theory and be able to apply this theory to various projects.
3.	Travel and Tourism	Students will able to identify tourism potential in a given region, evaluate promotion options, and create and implement strategic plans and use interpersonal and leadership skills in teams to solve practical tourism industry problem.
4.	Library and information Science	Design and develop systems and services that provide access to information.  Equip students with skills essential to carry out library housekeeping activities and to provide various library and information services.
5.	NSS and Youth Development	Learners will have the knowledge about NSS and its role in the fields of health, hygiene and sanitation so as to build a strong country.
6.	Creative Writing	Students will be able to apply critical and theoretical approaches of reading and analysis of literary texts in multiple genres.