

1.1 Number of courses offered by the Institution across all programs during the year (409)

Program code	Program Name	Course code	Course Name	Course outcome
<b>I SEMESTER</b>				
		C1TL11	Pothu Tamil Paper - 1	1. தமிழ் மொழியின் இலக்கிய இலக்கண வரம்புகளை உணர்த்தி, தமிழ்மொழியை இனிமையாக உச்சரிக்கவும், பிழையின்றி எழுதவும் கற்றுத்தருதல். 2. சங்க காலத் தமிழரின் பண்பாடு, கலாச்சாரங்களை அறியச் செய்தல்.
		C2EN11	Communicative English	* Strengthen the students' basic reading of prose and poetry. * Improve verbal communication skills.
	<i>B.A</i>	CPSS11	Professional English for Arts and Social Sciences - I	* Producing common workplace documents * Recognizing and correcting grammar, expression, syntax, and tone mistakes
		CEVS11	Environmental studies	*Understand the breadth and interdisciplinary nature of environmental issues. *Formulate an action plan for sustainable alternatives that integrate science, humanist, and social perspectives.
	<i>B.Sc</i>	CPPS11	Professional English for Physical Sciences - I	* Recognise their own ability to improve their own competence in using the language * Use language for speaking with confidence in an intelligible and acceptable manner
	<i>Physics &amp; Chemistry</i>	CAMA11	Algebra and Differential Equations - I -Allied	* Students will come to know the formation of Equations. They will gain knowledge in relation between roots and coefficients. * Students will acquire skill to find approximate solutions to equations using Newton's method and Horner's method. *Students will get an in-depth knowledge in matrices. They will be able to calculate eigen values and eigen vecotors of the matrices. * Students will understand some basic definitions and terminology associated with differential equatsions and their solutions. * Students will understand the Laplace Transform and its existence.

1506	<i>Computer Science</i>	CACS11	Discrete Mathematics - Allied	<ul style="list-style-type: none"> <li>• Knowledge, understanding of classifications of Relations and its types.</li> <li>• Understanding and applications of Functions</li> <li>• Fundamentals of Mathematical logic with propositions and truth tables are studied</li> <li>• Knowledge of Matrix algebra with different type of matrices</li> <li>• Introductory Graph Theory for understanding and applications.</li> <li>• profound Knowledge, understanding and applications of fundamentals of Discrete Mathematics.</li> </ul>
		CMCS11	Programming in C	<ul style="list-style-type: none"> <li>• supports a rich set of operators. Operators used in program to manipulate data and variables. They usually form a part of the mathematical or logical expression.</li> <li>• We have discussed the control structures for decision making and branching, decision making and looping concepts.</li> <li>• Array concepts are used for calculating standard deviation, matrix manipulation, evaluating a text. Array is also used for string manipulation.</li> <li>• The main advantage of function is to reduce the size of the program. Structures help to organize complex data in a more meaningful way.</li> <li>• Pointers increase the execution speed. C supports a number of functions that have the ability to perform the basic file operations.</li> <li>• Learning strong concepts for programming languages.</li> </ul>

		CMCSP1	Practical - Programming in C Lab	<ul style="list-style-type: none"> <li>• Finding all possible roots of quadratic equations, Checking vowels or consonant, Finding Sine series value.</li> <li>• Sorting list of numbers in ascending order, Searching an element in an array, Reversing a number.</li> <li>• Checking the given string is palindrome or not, Finding the binomial coefficient value, Multiplying two matrices, Finding a transpose of a matrix.</li> <li>• Finding the sum of n numbers using function call, Sorting names in alphabetical order, Exchanging values using pointers.</li> <li>• Preparing the student details using structure, Preparing mark sheet using file.</li> <li>• Acquiring knowledge for writing application programs.</li> </ul>
1301	B.Com	CMCO11	Financial Accounting - I	<ul style="list-style-type: none"> <li>• Acquire conceptual knowledge of financial accounting</li> <li>• Identify and rectify the errors of Accounting</li> <li>• Learn about basic concepts and rules governing Bills of exchange</li> <li>• Understand the meaning and various methods of Depreciation</li> <li>• Create an idea about single entry system of accounting</li> </ul>
		CMCO12	Business Organisation & Management	<ul style="list-style-type: none"> <li>• Understand about business and its role in society</li> <li>• Know about the various types of Business Organizations</li> <li>• Learn about partnership business, partnership deed and Partners</li> <li>• Gain knowledge about Company form of organization and its kinds</li> <li>• Understand about the formation of co-operative organization and its management as per the co-operative societies Act</li> </ul>

		CPCM11	Professional English For Commerce & Management I	<ul style="list-style-type: none"> <li>• Recognise their own ability to improve their own competence in using the language</li> <li>• Use language for speaking with confidence in an intelligible and acceptable manner</li> <li>• Understand the importance of reading for life</li> <li>• Read independently unfamiliar texts with comprehension</li> <li>• Understand the importance of writing for academic purpose</li> <li>• Write simple sentences without committing error in spelling or grammar</li> </ul>
		CACO11	Business Economics - Allied I	<ul style="list-style-type: none"> <li>• Understand and imbibe knowledge on recent economic trends</li> <li>• Identify the role of demand in market economy</li> <li>• Analyze the factors of production, various concepts of total product, average product and marginal product</li> <li>• Impart knowledge about supply and cost analysis</li> <li>• Learn about price and output decisions in various market forms</li> </ul>
2107	MA Tamil	ZTLM11	இக்கால இலக்கியம் கவிதை	<p>1. இக்கால இலக்கிய வகைகளை அறிமுகப்படுத்தி, உத்தி, வாடிவம், மொழி நடை, படைப்பாளியின் தனித்தன்மை ஆகியவற்றை விளக்கி இலக்கியத்தின் ஆழத்தையும் நுணுக்கத்தையும் அறியச் செய்தல்.</p> <p>2. இக்கால இலக்கிய வகைகளை அறிமுகப்படுத்தி, உத்திகளை உணர்த்தி படைப்பாற்றலை வளர்த்தல்</p> <p>3. கவிதைக் களங்களின் அழகியலை உணர்த்தி தமிழ் மொழியின் முக்கியத்துவத்தை அறியச் செய்தல்.</p>
		ZTLM12	இலக்கணம் - 1, தொல்காப்பியம் - எழுத்து	<p>1. ஆசிரியர், மாணவர்களின் இலக்கணங்களையும், எழுத்துகளின் வகைகளையும், புணர்ச்சி நிலைகளையும் அறியச் செய்தல்.</p> <p>2. பிழையற்ற மொழிநடையைக் கையாளச் செய்தல். முறையான வகைப்பாட்டினையும், உணர்த்தி, சொல்லின் வகைகளையும், செயல்பாட்டையும் பிழையற்ற தொடர் உருவாக்கத்தையும் கற்கச் செய்தல்.</p> <p>3. தொல்காப்பிய, நன்னூல் வேறுபாடுகளை</p> <p>4. எதனால் வேறுபட்டது என்பதை தெரிந்துகொள்ள</p>

		ZTLM13	புனைகதையும் உரைநடையும்	1. சிறுகதைகளின் செல்நெறியை மாணவர்கள் அறிதல் 2. கடல்சார் மனிதவாழ்வை மாணவர்கள் புரிதல் 3. புதினங்களின் போக்கை மாணவர்கள் தெரிந்து கொள்ளல் 4. உரைநடைத் திறனை மாணவர்கள் கண்டுணர்தல் 5. பன்முகப் படைப்பாளர்களின் படைப்புத்திறனை மாணவர்கள் உணர்ந்திடுதல்
		ZTLM14	அற இலக்கியம்	1. அற இலக்கியத்தில் அறம் பற்றிய விளக்கம் அறஇலக்கியத்தின் தோற்றம் வளர்ச்சி பற்றி மாணவர்கள் அறிந்து கொள்வார்கள். 2. திருக்குறள், நாலடியார், இனியவை நாற்பது போன்றவை பற்றிய செய்திகளை அறிந்து கொள்ள வழி செய்கிறது 3. திரிகடுகம், ஏலாதி, பழமொழி ஆகியவற்றில் இடம்பெற்றுள்ள அறங்கள் பற்றி மாணவர்கள் அறிந்து கொள்வார்கள் 4. ஆத்திசூடி, கொன்றை வேந்தன் ஆகியவற்றில் அமைந்துள்ள அறச்செய்திகளை அறிய வழி செய்கிறது 5. திருமுல்ர், வேதநாயகரின் நீதி நூலில் இடம்பெற்றுள்ள நல்ல கருத்துக்களை மாணவர்கள் அறிந்து கொள்வார்கள்.

		ZTLE11	<p>சிறப்புத்தாள் 1 : நாட்டார் வழக்காற்றியல் அடிப்படைகள்</p>	<p>1. மாணவர்களுக்கு நாட்டார் வழக்காற்றியலின் பொதுப்பலத்தை அறிமுகம் செய்து, கலைச் சொல் சிக்கல்களைப்பலப்படுத்துதல் மூலம் வரையறைகளை விளங்கிக் கொள்வர். நமது மண்ணின் மரபுகளைப் புரிந்து கொள்ள அடிப்படையாக அமையும்.</p> <p>2. மாணவர்கள் நாட்டார் வழக்காற்றியலின் எல்லையையும் பரப்பையும் அறிந்து கொள்வர். நாட்டார் வழக்காற்றியல் படிநிலைகளான சேகரித்தல், வகைப்படுத்துதல், ஆய்வு செய்தல் போன்றவற்றை இவ்வலகில் புரிந்து கொள்வர்.</p> <p>3. மாணவர்கள் நாட்டார் வழக்காற்றியலுக்கும் இலக்கியத்திற்கும் உள்ள தொடர்புகளை விளங்கிக் கொள்வர். நாட்டார் வழக்காற்றியலும் மொழியியலுக்கும் உள்ள தொடர்பை அறிந்து கொள்வர்.</p> <p>4. மாணவர்கள் நாட்டார் வழக்காற்றியலின் அடிப்படை கருத்தாக்கங்களை தெரிந்து கொள்வர். போலி வழக்காறுகளை அறிந்து கொள்வர். கதை கூறு, கதை வகைகளை புரிந்து கொள்வர்.</p> <p>5. மாணவர்கள் கள ஆய்வு நெறிமுறைகளை அறிந்து கொள்ள வைத்து, கள ஆய்வுச் சிக்கல்களை அறிந்து கொள்வர். மேலும் கள ஆய்வு உத்திகளை உணர்ந்து கொள்வர். மாணவர்கள் இப்புலத்தை ஒரு சமூக அறிவியல் புலமாக அறிந்து கொள்வர்.</p>
		ZTLE12	<p>சிறப்புத்தாள் 2: இதழியல்</p>	<ul style="list-style-type: none"> <li>• இதழியலின் தோற்றம் வளர்ச்சியை அறிதல்.</li> <li>• இதழ்களின் வகைகளையும் படிநிலைகளையும் அறிதல்</li> <li>• செய்திகளின் தன்மைகளை ஆராய்தல்.</li> <li>• இதழ்களின் முக்கிய அம்சங்களைப் புலப்படுத்துதல்</li> <li>• இதழ்கள் மாணவர்களுக்கு ஏற்படுத்திக் கொடுக்கும் வாய்ப்புகள் குறித்து அறிதல்</li> </ul>

3107	M.Phil	PTLC11	Aaraichi Muraigal	<p>1. மாணவர்கள் ஆய்வையும், அறிவியல் முறையையும் அறிந்து கொள்வர். ஆய்வுத் தலைப்பைத் தேர்ந்தெடுக்கும் முறையையும், ஆய்வு நெறித்திட்டத்தையும் தெரிந்து கொள்வர்.</p> <p>2. மாணவர்கள் கருதுகோள், கருதுகோள் வகைகளைத் தெரிந்து கொள்வர். ஆய்வு நோக்கத்திற்கும் கருதுகோளுக்குமான வேறுபாடுகளைப் புரிந்து கொள்வர்.</p> <p>ஆய்விற்கான உற்று நோக்கல், வினாநிரல், வினாப்பட்டியல், பேட்டி போன்றவற்றைத் தெரிந்து கொள்வர்.</p> <p>3. மாணவர்கள் நூலகத்தின் பயன்பாடுகளை அறிவர். ஆய்விற்கான முதன்மை, துணைமை சான்றாதாரங்களை தெரிந்து கொள்வர். தமிழியல் ஆராய்ச்சியின் தோற்றம் மற்றும் வளர்ச்சிகளை புரிந்து கொள்வர்.</p> <p>4. மாணவர்கள் ஆய்வேட்டின் வடிவமைப்பினைத் தெரிந்து கொள்வர். ஆய்வேட்டின் இடம்பெறும் இயல்புகுப்பு, மேற்கோள் விளக்கம், அடிக்குறிப்பு, துணைநூற்பட்டியல், பின்னிணைப்பு, புகைப்படங்கள், தகவலாளர் பட்டியல், ஆய்வில் நீக்க வேண்டியவை குறித்தும் விரிவாக விளக்கிக் கொள்வர்.</p> <p>5. மாணவர்கள், பண்பாடு சார்ந்த கள ஆய்வினையும், முறையியலையும் விளங்கிக் கொள்வர். ஆய்வுக் களத்தினைத் தெரிவு செய்தல், கள ஆய்வு உத்தி முறைகள், தரவுகள் சேகரிப்பு, அறிக்கை தயாரித்தல் போன்றவற்றை ஆழமாகப் புரிந்து கொள்வர்.</p>
		PTLC12	Thiranaivu muraigalum anugumuraigalum	<p>1. அணுகுமுறை பற்றிய விளக்கம், அணுகுமுறையின் வகைகள், வேறுபாடு பற்றி மாணவர்கள் அறிதல்.</p> <p>2. Unit அணுகுமுறையின் பயன்பாடு, தமிழ்இலக்கியத்தில் அணுகுமுறையின் தேவை பற்றி ஆய்வாளர்கள் அறிதல்.</p> <p>3. Unit அணுகுமுறையின் அடிப்படையில் சமூகம் எவ்வாறு செயல்படுகிறது என்பதை மாணவர்கள் அறிந்து கொள்வார்கள்.</p> <p>4. மேலை நாட்டினரின் ஒப்பியல் அணுகுமுறை பற்றி அறிதல்</p> <p>5. வரலாற்றியல் அணுகுமுறை மற்றும் மானிடவியல் அணுகுமுறை பற்றிய செய்திகளை மாணவர்கள் தெரிந்து கொள்தல்.</p>

		PTLO11	Tamil Ilakkana varalaru	தமிழில் செம்மொழிக்கான கூறுகளையும், தமிழ்மொழியின் வகைகளையும் பாடல்களின் அமைப்பையும் பாடல் ஆசிரியர்களின் அறிவாற்றலையும் அறிமுகப்படுத்துதல்.
1103 & 1104	B.A Economics	CMEC11	Micro Economics - I	<p>*Understand the meaning of micro economics.</p> <ul style="list-style-type: none"> <li>· Should know the consumption and different types of laws.</li> <li>· Understand the indifference curve analysis.</li> <li>· Knowledge about the production and theories of population</li> <li>· Learn about production function.</li> </ul>
		CMEC12	Statistics for Economics - I	<p>To understand the concepts of statistics and data</p> <ul style="list-style-type: none"> <li>· To study the importance of and objectives of classification, tabulation, diagrams and graphs</li> <li>· To study the uses and measurement of averages</li> <li>· To understand the dispersion and its different types and measurement</li> <li>· To acquire the knowledge of skewness and kurtosis</li> </ul>
		CAEC11	Consumer Rights and Awareness	<p>Understand the importance of nutrition for long-term health</p> <ul style="list-style-type: none"> <li>· Apply basic principles of consumer education</li> <li>· Apply basic financial principles for everyday decision making and planning</li> <li>· Appreciate and develop an understanding of food, nutrition and trans-cultural awareness in the global context.</li> <li>· Nurture and develop critical thinking, problem-solving and creativity, a spirit of enterprise, innovation, and aesthetic awareness; to make informed and discerning food and consumer-related decisions develop positive attitudes and values for the well-being of the community (families and society).</li> </ul>



2101	M.A. Economics	ZESM11	Advanced Micro Economic Theory - I	<ul style="list-style-type: none"> <li>· Acquire the knowledge of consumer demand, elasticity of demand.</li> <li>· To understand the Theory of Production function.</li> <li>· To study about the perfect competition and imperfect competition.</li> <li>· To explain the concept of oligopoly, duopoly and price leadership</li> <li>· Learn about Pricing Theory</li> </ul>
		ZESM12	Macro-Economic Theory and Analysis - I	<ul style="list-style-type: none"> <li>· Basic concept of Macro theories, its relation between variables</li> <li>· Knowledge about National Income and Input-Output Accounting</li> <li>· Learn about the consumption function and hypothesis</li> <li>· Students to develop the types of investment to Skill The Knowledge</li> <li>· Develop Their Macro Economics Issues in Various aspects</li> </ul>
		ZESM13	Statistical Methods	<ul style="list-style-type: none"> <li>· Learn about the meaning and types of regression equations.</li> <li>· Study the concept and components of time series analysis, determination of regular and seasonal indices.</li> <li>· Knowledge about the index numbers, its types, problems of constructing index numbers, and tests of adequacy of index numbers.</li> <li>· Learning the concept of vital statistics, uses and methods of vital statistics, life tables and its uses.</li> </ul>
		ZESM14	International Economics	<p>students can learn about the terms of trade and gains from the international trade.</p> <p>Students can understand the procedures of the imports and exports with trade policies.</p> <p>Dealt with international monetary systems and financial institutions</p> <p>Sshows terms and conditions of general agreements among the global institutions.(trims,trips ,etc)</p>
		ZESE11	Welfare Economics - Elective - 1	<p>Relate national income and economic welfare.</p> <p>Learn about labour welfare.</p> <p>To understand the welfare economics</p>

		ZESE12	Entrepreneurial Development - Elective - 2	<ul style="list-style-type: none"> <li>· To develop and strengthen the entrepreneurial quality.</li> <li>· Analyze the environmental setup relating to small industry and small business.</li> <li>· To select the product and know the source of help and support available for starting a small-scale industry.</li> <li>· Acquire the basic management skills among the entrepreneurs.</li> <li>· Develop passion for integrity and understand the need of entrepreneurial discipline.</li> </ul>
1517	B.SC. Mathematics	CMMA11	Calculus and Classical Algebra	<ul style="list-style-type: none"> <li>• Students will come to know the curvature, radius of curvature, centre of curvature in cartesian and polar coordinates.</li> <li>• Students will get an in-depth knowledge in pedal equation, involutes, evolutes and asymptotes.</li> <li>• Students will acquire the knowledge about elementary number system</li> <li>• Students will be able to find ways to get the divisors of the given equation</li> </ul> <p>Students will get the ideas to solve particular type of biquadratic and cubic equations</p>
		CAPH11	Allied Physics Paper - I	<ul style="list-style-type: none"> <li>• Beam theory is used to design and analysis of wide range of structures in construction and it is also used in understanding the physical properties of rigid materials.</li> <li>• The study of surface tension and viscosity gives an insight about the properties of liquids such as basic molecular interactions, the viscous nature of liquid and the flow of liquids.</li> <li>• An introduction about Sound theory enables the different types of vibrations to understand about the vibrational motion of a body.</li> <li>• The thermal properties of matters such as conduction, convection and radiation are studied in thermal physics.</li> </ul>

		CAPHP1	Practical : Allied Physics	<ul style="list-style-type: none"> <li>• To determine the Young's modulus of the material of a bar by Non-uniform bending method using pin and microscope.</li> <li>• To determine the Young's modulus of the material of the bar by uniform bending method using optic lever and telescope.</li> <li>• To determine rigidity modulus of the material using torsion pendulum method with and without mass and calculating the moment of inertia of the disc.</li> <li>• To determine the coefficient of viscosity of a highly viscous liquid (Such as castor oil) by Stokes' method.</li> <li>• To determine the coefficient of viscosity of a liquid using variable pressure head method.</li> </ul>
2515	M.Sc.Matematics	ZMAM11	Algebra - I	<ul style="list-style-type: none"> <li>• Students will be able to know to define the Normal subgroups and Quotient groups and Homomorphisms.</li> <li>• Students will know the properties of automorphisms and how to give the examples for automorphisms and solvable groups.</li> <li>• Students will understand the permutations groups easily and they can</li> <li>• solve the problem which are given in the permutation groups.</li> <li>• Students will be able to know the different types of sylows theorem and they can do many problems using sylows theorem.</li> <li>• Students will know to understand the Direct products and Finite abelian groups.</li> </ul>
		ZMAM12	Analysis - I	<ul style="list-style-type: none"> <li>• Students will be able to know metric spaces and perfect sets.</li> <li>• Students will know to understand numerical sequences and series, the number <math>e</math>.</li> <li>• Students will know root test, ratio test, Mertens theorem.</li> <li>• Students will be able to understand continuity.</li> <li>• Students will know differentiability.</li> </ul>

		ZMAM13	Analytic Number Theory	<ul style="list-style-type: none"> <li>• Students will learn about divisibility.</li> <li>• They will learn Mobius function. They will know the Euler Totient function.</li> <li>• They will learn Multiplicative functions. They will know Dirichlet multiplication.</li> <li>• They will study about Asymptotic equality of functions. They will know Euler summation formula.</li> <li>• They will learn Chebyshev's functions.</li> </ul>
		ZMAM14	Operation Research	<ul style="list-style-type: none"> <li>• Students will be able to apply the concept of network to study the transportation and assignment models</li> <li>• Students will understand the multitude of operations research situations that can be conveniently modeled and solved as networks</li> <li>• Students will be able to start with simple integer linear programming applications and then graduate to more complex ones</li> <li>• Students will be able to understand the method to maintain a reasonable inventory of goods to ensure smooth operations</li> <li>• Students will determine the measures of performance of a queuing situation including other parameters</li> </ul>
		ZMAM15	Ordinary Differential Equation	<ul style="list-style-type: none"> <li>• Students will come to know the second order linear equations. They will come to know how to find general solution of second order linear equation using various methods.</li> <li>• Students will get an in-depth knowledge in Power Series solution.</li> <li>• Students will come to know how to find the solution of the second order linear equation using Fourier series.</li> <li>• Students will acquire an in-depth knowledge in Legendre Polynomials, Bessel functions and the Gamma functions.</li> <li>• Students will be able to solve the homogeneous linear system with constant coefficients.</li> </ul>

1522	B.Sc.Physics	CMPH11	Properties of Matter & Mechanics	<ul style="list-style-type: none"> <li>• To introduce the students, the analysis of linear elastic solids under mechanical loads and to characterize materials with elastic relations.</li> <li>• Beam theory is used to design and analysis of wide range of structures in construction and it is also used in understanding the physical properties of rigid materials.</li> <li>• To understand the motion of fluids such as surface tension and viscosity and their variations with temperature.</li> <li>• Sound theory describes the nature of sound and the theory of wave propagation.</li> <li>• It gives the idea about the basic concept of acoustics and Ultrasonics infers its usage in civil construction.</li> </ul>
		CMPHP1	Practical - I	<ul style="list-style-type: none"> <li>• To determine the Young's modulus of the material of a bar by Non-uniform bending method using pin and microscope.</li> <li>• To determine the Young's modulus of the material of the bar by uniform bending method using optic lever and telescope.</li> <li>• To determine Young's modulus of a given bar by measuring the depression of its loaded end when it is used as cantilever.</li> <li>• To determine rigidity modulus of the material using torsion pendulum method with and without mass and calculating the moment of inertia of the disc.</li> <li>• determine the coefficient of viscosity of a highly viscous liquid (Such as castor oil) by Stokes' method.</li> </ul>

2521	M.Sc.Physics	ZPHM11	Classical Mechanics	<ul style="list-style-type: none"> <li>• D'Alembert's Principle and Lagrange's equation enables to understand the mechanics of a particle and system of particles and also applications of Lagrange's equation</li> <li>• To understand about Motion under one body and also two body, inverse square law and unbound motion by using the Rutherford <math>\alpha</math> particle scattering</li> <li>• To understand the mechanics, displacement, rotation, energy of rigid body with the help of Euler's equation</li> <li>• To understand Hamilton's transformation, Canonical Transformations and also the variables of particles by using Kepler action angle</li> <li>• To understand about the Oscillation like Stable and unstable equilibrium, double pendulum and to study their properties</li> </ul>
		ZPHM12	Mathematical Physics - I	<ul style="list-style-type: none"> <li>• Vector theory enables to understand the physical quantities having directions and magnitude. The application of vector theory is useful in studying the hydrodynamic behavior of flowing fluids such as gases and liquids.</li> <li>• Matrix theory is useful in finding Eigen vectors and Eigen values related to the problems in quantum mechanics. A system of differential equations can be solved using matrix calculations.</li> <li>• The general solutions and a set of solutions for second order differential equations can be obtained by special functions and error functions.</li> <li>• Any complex periodic, continuous functions expressed in terms of a series of trigonometric functions such as sines and cosines can be understanding by Fourier and Laplace Integrals and their corresponding transformations.</li> </ul>
		ZPHM13	Integrated Electronics	<ul style="list-style-type: none"> <li>• Device and application of device and VLSI technology.</li> <li>• Explain logic families of TTL, DTL, RTL and flip-flops.</li> <li>• To understand the OP-Amp characterization and its applications.</li> <li>• Working modes of timer 555, 565 and applications of multiplexer.</li> <li>• To understand sensors and transducers.</li> </ul>

		ZPHM14	Nonlinear Dynamics	<ul style="list-style-type: none"> <li>• Understand the basic knowledge about nonlinear systems and also analyse nonlinear dynamical systems that rise to oscillations.</li> <li>• Determine the stability and analyse the various types of bifurcations in one dimension and two dimension.</li> <li>• Get an introduction to chaos and also analyse the chaotic dynamics of electronic circuits.</li> <li>• Known the information and applications of fractals.</li> <li>• Get sound knowledge in linear, nonlinear dispersive wave propagation, properties and applications of solutions.</li> </ul>
		ZPHL11	Practical 1: General physics experiments - I	<ul style="list-style-type: none"> <li>• Determination of susceptibility of the given paramagnetic solution and estimate the Magnetic Moment and Bohr Magnetron for various normalities.</li> <li>• Determination of Cauchy's Constant by spectrometer.</li> <li>• Determination of wavelength of a source and thickness of a thin transparent medium by forming interference pattern.</li> <li>• Determination of self-inductance of the given coil having different turns.</li> <li>• Calculation of force constants of a molecule from the vibrational spectral data.</li> </ul>
1504	Bsc Chemistry	CMCH11	Inorganic Chemistry - I	<ul style="list-style-type: none"> <li>• Study the atomic structure from wave mechanical concept</li> <li>• Know the arrangement of elements in the periodic table and the periodic properties.</li> <li>• Understand the different kinds of chemical forces in molecules.</li> <li>• Know the nature of compounds formed by s-block elements.</li> <li>• Acquire the knowledge about p-block elements</li> </ul>

		CMCHP1	Major Practical - I: Inorganic Quantitative (Volumetric) Analysis - I	<ul style="list-style-type: none"> <li>• Enable the students to acquire the quantitative skills in volumetric analysis.</li> <li>• At the end of the course, the students should be able to plan experimental projects</li> <li>• and execute them.</li> <li>• Develop skills on various types of titration methods</li> <li>• Experts in acidimetry, alkalimetry &amp; permanganometric titrations</li> <li>• Use modern instruments, techniques &amp; able to record the results of the experiments</li> </ul>
1527	B.Sc Zoology	CMZO11	Invertabrata	<ul style="list-style-type: none"> <li>• Realize the importance of science of classification and explains primitive invertebrate Organisms with typical examples and explanations unique features are also discussed.</li> <li>• Classification of next strata are is done with typical examples</li> <li>• Stakeholders are made be curve of parasitic worms and features of annelids are informed with a type study</li> <li>• Students become through with insect classes (Beneficial, harmful)</li> <li>• Knowledge up gained by stakeholders about the invertebrate animals al higher level , their uniqueness and their economic importance</li> </ul>
		CMZOP1	Major Practical I: Invertabrata	<ul style="list-style-type: none"> <li>• To dissect and mount cockroach Nervous system and digestive system. A</li> <li>• To dissect and mount the shark placoid scales.</li> <li>• To observe the frog arterial system &amp; brain both dorsal and ventral view.</li> </ul>
		CPLS11	Professional English for Life sciences	<ul style="list-style-type: none"> <li>• Understand the importance of writing in academic life</li> <li>• Write simple sentences without committing error of spelling or grammar</li> </ul>



		CACH11	Allied Chemistry - I	<ul style="list-style-type: none"> <li>• Learn about atomic structure and bonding.</li> <li>• Learn the principles of reactions of organic compounds.</li> <li>• Study about photochemical reactions.</li> <li>• Learn about the importance of polymers and polymer science.</li> <li>• Study about lubricants and some cosmetics in the modern world.</li> </ul>
		CACHP1	Allied Chemistry Practical - I	<ul style="list-style-type: none"> <li>• Enable the students to acquire the quantitative skills in volumetric analysis</li> <li>• Estimate the oxalic acid</li> <li>• Estimate the Na<sub>2</sub>CO<sub>3</sub></li> <li>• Estimate the hydrochloric acid</li> <li>• Estimate of ferrous ammonium sulphate, ferrous sulphate, oxalic acid using Permanganometry</li> </ul>
1105	BA English	CMEN11	British Poetry	<ul style="list-style-type: none"> <li>• To provide a historical perspective of british poetry</li> <li>• Interpretation and appreciation of the selected texts from the genre of poetry.</li> <li>• To enrich the pupil's creativity and imagination.</li> <li>• To enhance the knowledge in school of poetry streams and movements in british poetry.</li> <li>• Enhancing awareness of specific dimensions of cross- cultural reading.</li> </ul>
		CMEN12	Social History of England	<ul style="list-style-type: none"> <li>• To familiarize the students with the historical movements and the cultural politics of england</li> <li>• To provide the student the social-cultural background on which a literary text is grounded</li> <li>• To make them to know about the social status of england people</li> <li>• To enhance their analysing capacity</li> </ul>

		CAEN11	Literary Forms	<ul style="list-style-type: none"> <li>• To introduce the various genres and forms of literature</li> <li>• To explore literary forms and its genres</li> <li>• To have an idea about the four major literary forms</li> <li>• To demonstrate an ability to grasp and synthesize ideas in literary form</li> <li>• To use literary terms in historical contexts</li> </ul>
1521	PHS	CMPE11	Foundation of Physical Education & Gymnastics	<ul style="list-style-type: none"> <li>• Know about the History of Gymnastics</li> <li>• Understand the training qualities</li> <li>• Know about the floor exercise for men</li> <li>• Know about the floor exercise for women</li> <li>• Understand the completion rules, officiating and equipments</li> </ul>
		CMPEP1	Major Pracicals - I: Gymnastics	<ul style="list-style-type: none"> <li>* Practice exercise and learn their rules</li> <li>* knows the professional vocabulary and terminology of warm-up and general gymnastic exercises</li> <li>* knows methodology and performing techniques of warm-up and general gymnastic exercises</li> </ul>
		CAPE11	Basic Anatomy and Physiology-Allied	<ul style="list-style-type: none"> <li>• Understand the basic concept of anatomy and physiology and their implications in the field of Physical Education;</li> <li>• Analyse the structure and function of tissue;</li> <li>• Study and interpret the structure and function of various systems of the body; and</li> <li>• Analyse the metabolism and thermal regulation of the body</li> <li>• Understand about digestive system and nervous system</li> </ul>
		CAPEP1	Allied Practicals - I: Kinanthropometry	<ul style="list-style-type: none"> <li>• Knowledge of the anthropometric method. ISAK method.</li> <li>• Management of anthropometric material: stadiometer, scale, caliper, and tape measure.</li> <li>• Location of anatomical points.</li> <li>• Taking measurements: height, weight, skinfolds, perimeters, and bone diameters.</li> <li>• Analysis of body composition by fractionation, somatotype, equations depending on the population and objectives, etc.</li> </ul>

1303	Corp	CACR11	COMPANY LAW I	<ul style="list-style-type: none"> <li>• To encourage the development of students skills in legal reasoning.</li> <li>• The explain the legal nature and significance of limited liabilities.</li> <li>• To provide students with an awareness of current policy hence and developments in company law.</li> <li>• To facilitate an appreciation of the legal nature of the relationships between company and its management.</li> <li>• Provide students with knowledge and appreciations of the major core topics in company law including in legal nature of the company as a business structure.</li> </ul>
2301	M.Com	ZKCM11	Accounting for Management	<ul style="list-style-type: none"> <li>• Assistance in planning and formulation of future policies .</li> <li>• Helps in Co-ordinating Operation.</li> <li>• Helps in motivating employees.</li> <li>• Helps in evaluating the efficiency and effectiveness of policies.</li> <li>• Helps in the interpretation of financial information.</li> </ul>
		ZKCM12	Statistics	<ul style="list-style-type: none"> <li>• Give an introduction about the Statistical concept of Probability Distribution and its applications to business</li> <li>• Provide knowledge about testing the hypotheses and Analysis of Variants</li> <li>• Give an account of Non Parametric Tests such as Chi-square test, Sign test, Kruskal Wallis test etc</li> <li>• Explain Statistical Decision Theory and the criteria for making decisions under condition of risk and uncertainty</li> <li>• Learn about Statistical Quality Control and Acceptance Sampling</li> </ul>

		ZKCM13	Management Concepts & Organisational Behaviour	<ul style="list-style-type: none"> <li>• Enable the student to understand the framework of management and its functions</li> <li>• Learn about Organizational behavior, its evolution, development and relationship between organizational behavior and management</li> <li>• Provide knowledge about Group Dynamics, its importance, types of groups and leadership theories</li> <li>• Give an account of Organizational change and development, its objectives, models and OD interventionism 5. Explain the concept of Quality of Working life (QWL), Evolution and development of constituents, organizational change and managerial career</li> </ul>
		ZKCM14	Insurance & Risk Management	<ul style="list-style-type: none"> <li>• Understanding the principles of Life Insurance and General Insurance.</li> <li>• Creating awareness about accounts of banking and insurance companies.</li> <li>• Understanding the concepts of consignment, joint venture, single entry system and accounting concepts of fire insurance.</li> <li>• Creating awareness about accounts of banking and insurance companies.</li> </ul>
		ZKCM15	International Business	<ul style="list-style-type: none"> <li>• To help the students to gain knowledge about foreign trade policy.</li> <li>• To make the students aware about the preliminaries for starting export business.</li> <li>• Understand about foreign exchange rates and export marketing</li> <li>• Know about import procedures</li> <li>• Learn about the fiscal incentives for export promotion.</li> </ul>

1401	BCA	CMCA11	PROGRAMMING IN C	<ul style="list-style-type: none"> <li>• Students are able to understand constants and operations in C language.</li> <li>• To know about decision making, branching and looping.</li> <li>• Acquired knowledge about arrays and character strings.</li> <li>• Learns about User Defined functions</li> <li>• Studied about pointers and file management in C language</li> </ul>
		CACA11	DIGITAL DESIGN	<ul style="list-style-type: none"> <li>• Understanding of digital logic fundamentals gates and study of Boolean algebra and KMaps.</li> <li>• Knowledge of number systems and conversions with data processing circuits</li> <li>• Study of binary arithmetic circuits with clock and timing circuits for hardware Implementation</li> <li>• Flip-flops and Registers for understanding, knowledge and implementation</li> <li>• Knowledge, understand and implements counters and A/D and D/A conversion</li> </ul>
II SEMESTER				
		C1TL21	Pothu Tamil - II	1. மொழி நடை, படைப்பாளியின் தனித்தன்மைஆகியவற்றை விளக்கி இலக்கியத்தின் ஆழத்தையும் நுணுக்கத்தையும் அறியச் செய்தல். 2. பக்தி நெறிகளின் மேம்பாட்டினை உணர்த்தி, திருத்தலங்களை அறியச் செய்தல்.
		C2EN21	Communicative English - II	<ul style="list-style-type: none"> <li>* To enable each learner at the college level to communicate effectively in English both in the spoken and in the written mode.</li> <li>* Get acquainted with simple Prose and Poetry.</li> </ul>
		CVBE21	Value Based Education	<ul style="list-style-type: none"> <li>• To value education imparts social, moral, cutural, spiritual, and human values.</li> <li>• To develop their personality development</li> <li>• To mould them in moral development</li> <li>• To bulid a person’s overall character.</li> <li>• To make him acceptable by all</li> </ul>
	Economics & English	CPSS21	Professional English for Arts and Social Sciences - II	<ul style="list-style-type: none"> <li>* Preparing and delivering written material that is logical and coherent</li> <li>* Critically evaluating written materials</li> </ul>

		CPPS21	Professional English for Physical Sciences - II	<ul style="list-style-type: none"> <li>* Understand the importance of reading for life</li> <li>* Read independently unfamiliar texts with comprehension</li> </ul>
1522&1504	Physics & Chemistry	CAMA21	Vector calculus and Fourier series - Allied	<ul style="list-style-type: none"> <li>• Students will be able to compute gradient and directional derivative, divergence and curl of a vector valued functions. They come to know the properties arising out of these concept.</li> <li>• Students will get a knowledge of methods of evaluating integrals of functions of two or three variables over a suitable region in <math>R^2</math> or <math>R^3</math> which arise in a natural way in several applications.</li> <li>• Students will know the concept of line and surface integrals leading to theorems of Green, Stokes and Gauss</li> <li>• Students will be able to apply Green, Stokes and Gauss theorems which express integrals as a certain double and triple integrals as the case may be.</li> <li>• Students will acquire an in-depth knowledge in basic concepts relating to Fourier series and to obtain Fourier series development of several functions.</li> </ul>
1301	B.Com	CPCM21	Professional English for Commerce & Management - II	<ul style="list-style-type: none"> <li>• Develop the language skills of students by offering adequate practice in professional contexts.</li> <li>• Enhance the lexical, grammatical and socio-linguistic and communicative competence of first year physical sciences students</li> <li>• Focus on developing students' knowledge of domain specific registers and the required language skills.</li> <li>• Develop strategic competence that will help in efficient communication</li> <li>• sharpen students' critical thinking skills and make students culturally aware of the target situation.</li> </ul>
1103&1104	B.A. Economics	CMEC21	Micro Economics -II	<ul style="list-style-type: none"> <li>• Understand the meaning of cost and revenue concepts.</li> <li>• Should know to study the market theories.</li> <li>• Knowledge about distribution theory.</li> <li>• Learn about wage and wage theories..</li> <li>• Learn about interest and profit.</li> </ul>

		CMEC22	Statistics for Economics -II	<ul style="list-style-type: none"> <li>• To study the correlation and regression and its types</li> <li>• To examine the analysis of time series</li> <li>• To understand the uses, problems of index number and its different methods</li> <li>• To acquire the knowledge of probability</li> <li>• To study the importance of association of attributes</li> </ul>
		CAEC21	Economics of Marketing	<ul style="list-style-type: none"> <li>• Understand the importance and role of marketing in economic development.</li> <li>• Learn about the kinds of buyers in the market.</li> <li>• It gives an essential of good storage.</li> <li>• Knowledge about the different types of brand packaging.</li> <li>• It helps us to understand role of middleman in retail market.</li> </ul>
2101	M.A. Economics	ZESM21	Advanced Micro Economics theory - II	<ul style="list-style-type: none"> <li>• Acquire the knowledge of consumer demand, elasticity of demand.</li> <li>• To understand the Theory of Production function.</li> <li>• To study about the perfect competition and imperfect competition.</li> <li>• To explain the concept of oligopoly, duopoly and price leadership</li> <li>• Learn about Pricing Theory</li> </ul>
		ZESM22	Macro Economics theory and analysis - II	<ul style="list-style-type: none"> <li>o Basic concept of Macro theories, its relation between variable</li> <li>o Knowledge about National Income and Input-Output Accounting</li> <li>o Learn about the consumption function and hypothesis</li> <li>o Students to develop the types of investment to Skill The Knowledge</li> <li>o Develop Their Macro Economics Issues in Various aspects</li> </ul>

		ZESM23	Mathematical Methods	<p>Teach about the number system and also sequences and series.</p> <ul style="list-style-type: none"> <li>· Explain the meaning and types of sets and its operations.</li> <li>· Study the meaning and types of functions and its applications in economics.</li> <li>· Knowledge about the analytical geometry, application of straight lines in economics .</li> </ul> <p>Learn about the commercial arithmetic by way of simple interest, compound interest, annuities and true discount.</p>
		ZESM24	History of Economic Thought	<ul style="list-style-type: none"> <li>• The study enables to know why world peace is important for the development of any country and how diverse and complex was India's socio-economic and political development.</li> <li>• The students are learning about PreClassical Period and Classical School, The Neo Classical School, Socialism and Marxian Thought, The Keynesian Revolution and Monetarism, Modern Developments</li> </ul>
		ZESE21	Human Resoures Degvelopment	<ul style="list-style-type: none"> <li>• Imparting knowledge on the importance of human resource management in business. Assisting the 41 learner to apply the principles of human resource management gained through this course in solving the major personnel issues.</li> <li>• Helping to improve self-confidence of the students. Developing Human Resource Management skill. Educating modern practices of human resources management.</li> <li>• Imparting knowledge on the importance of human resource management in business. Assisting the 41 learner to apply the principles of human resource management gained through this course in solving the major personnel issues.</li> <li>• Helping to improve self-confidence of the students.</li> <li>• Developing Human Resource Management skill. Educating modern practices of human resources management.</li> </ul>



		ZESE22	Rural development	<ul style="list-style-type: none"> <li>• To make the students competent in various walks of life</li> <li>• To make the students job ready and enhance their employability.</li> <li>• To make the students aware of and responsible towards gender, religion, and class equality</li> <li>• To enhance critical thinking by making them participate in social activities and imbibe human values among them.</li> <li>• To encourage the students to participate in research at different levels through projects, interviews, surveys and field visits</li> </ul>
1517	B.SC. Mathematics	CMMA21	Differential Equations	<ul style="list-style-type: none"> <li>• Students are able know Clairants Form and simultaneous linear Differential Equation.</li> <li>• Students acquire knowledge about second order linear differential equation with constant coefficients.</li> <li>• Students acquire knowledge about second order linear differential equation with Variable coefficients.</li> <li>• Students gets introduction about Partial Differential equations and its related theorems.</li> <li>• Students come to know about applications of first order equations such as growth, decay and chemical reactions, falling bodies and other rate problems.</li> </ul>
		CAPH21	Allied physics Paper -2	<ul style="list-style-type: none"> <li>• Basic electricity laws and their directional conventions are emphasized.</li> <li>• Elemental theory of magnetism, the properties of various magnetic materials and introduction about electromagnetism are underscored.</li> <li>• The properties and working principles of electronic components such as diodes, transistors and electronic devices such as amplifier, oscillators are given. Number systems and logical circuits are discussed.</li> <li>• A study about atoms, nuclei and basic nuclear reactions are given.</li> <li>• It features the projectile motions and relativity theory and their applications in everyday life.</li> </ul>

2515	M.Sc.Mathematics	ZMAM21	Algebra - II	<ul style="list-style-type: none"> <li>• Students will know the different types of rings and ideals.</li> <li>• Students will know the different types of Euclidean rings and they know how to give the examples for the Euclidean rings.</li> <li>• Students will be able to know to define the polynomial rings in terms of rings.</li> <li>• Students will know how to define the different types of radicals of rings in terms of rings.</li> <li>• Students will be able to know the different types of rings such as Quasi regular – J – semi-simple and direct sum of rings.</li> </ul>
		ZMAM22	Analysis - II	<ul style="list-style-type: none"> <li>• Students will be able to know Riemann integrable functions, fundamental theorem of calculus.</li> <li>• Students will know to understand the Rectifiable curves, convergence (pointwise, uniform convergence) of sequence and series of functions.</li> <li>• Students will know uniform convergence and integration, uniform Equicontinuous functions.</li> <li>• Students will be able to understand some special functions, power series.</li> <li>• Students will know algebraic completeness of the complex field, Beta, Gamma functions.</li> </ul>
		ZMAM23	Advanced Calculus	<ul style="list-style-type: none"> <li>• Students will be able to perform the vector calculus operations by applying addition, subtraction, scalar multiplication, dot product, and cross product.</li> <li>• Students will be able to work with power series by applying the iterated derivatives.</li> <li>• Students will be able to take derivatives of multivariable functions by using appropriate rules.</li> <li>• Students will be able to use the chain rule by applying necessary rules.</li> <li>• Students will be able to take derivatives of multivariable functions by using appropriate rules</li> </ul>

		ZMAM24	Differential Geometry	<ul style="list-style-type: none"> <li>• Students will acquire in depth knowledge in theory of space curve and surfaces based on Serret-Frenet Formulae.</li> <li>• Students will gather clear idea about contact between curves and surfaces, tangent surfaces, involutes and evolutes, Helices.</li> <li>• Students will come to know the curves on a surface, surfaces of revolution, Helicoids Metric on a surface through the first fundamental form and direction coefficients on a surfaces.</li> <li>• Students will understand families of curves and Geodesic on a surface.</li> <li>• Students will come to know the second fundamental form and some local non-intrinsic properties of a surface.</li> </ul>
		ZMAM25	Research Methodology and Statistics	<ul style="list-style-type: none"> <li>• To know about research project and its methodology</li> <li>• To understand Gamma and Chi-square distributions</li> <li>• To learn about t and f distributions.</li> <li>• Acquires knowledge about <math>X</math> and <math>n\sigma^2/\sigma^2</math> distributions.</li> <li>• To understand limiting distribution and Central limit theorem.</li> </ul>
		ZMAE21	Classical Mechanics - Elective	<ul style="list-style-type: none"> <li>• To understand the concept of mechanics of particles and constraints.</li> <li>• To learn about D'Alembert's principle and Lagrange's Equations.</li> <li>• Acquires knowledge about Hamilton's Principle and its extension.</li> <li>• Knows about first integrals and one dimensional problems.</li> <li>• Students are able to know about the differential equation for orbit and the Kepler problems</li> </ul>

1522	B.Sc.Physics	CMPH21	Optics and Acoustics	<ul style="list-style-type: none"> <li>• To learn the geometrical approximation including design of optical system and aberration.</li> <li>• Wave optics gives the fundamental knowledge of interference, diffraction and polarization.</li> <li>• Image forming system with the emphasis on the telescope and microscope were introduced.</li> <li>• Fiber optics system has allowed many important advances in tele-communication, mechanical and medical fields, since its transmission loss is low.</li> <li>• Lasers are a key component of modern communication system. It gives the operations and basic properties of most common laser types.</li> </ul>
2521	M.Sc.Physics	ZPHM21	Mathematical Physics - II	<ul style="list-style-type: none"> <li>• Apply techniques of complex analysis, such as contour integrals and analytic continuation, to the study of special functions of mathematical physics</li> <li>• Solve partial differential equations with appropriate initial or boundary conditions with green function techniques</li> <li>• Identify different special mathematical functions;</li> <li>• Define and manipulate the group theory and tensors and be able to derive their various properties</li> <li>• Use the legendre and hermite polynomials and other special functions to solve physics problems</li> </ul>
		ZPHM22	Electro magnetic Theory	<ul style="list-style-type: none"> <li>• Students will learn scientific, mathematical and engineering principles that enable them to understand forces, fields, and waves; know how devices work that use those principles and phenomena; and be familiar with the historical context in which development of knowledge and devices occurred.</li> <li>• Apply vector calculus to static electric-magnetic fields in different engineering situations.</li> <li>• Analyze Maxwell's equation in different forms (differential and integral) and apply them</li> <li>• to diverse engineering problems.</li> <li>• Examine the phenomena of wave propagation in different media and its interfaces and in</li> <li>• applications of microwave engineering.</li> <li>• Analyze the nature of electromagnetic wave propagation in guided medium which are used in microwave</li> </ul>

				applications.
		ZPHM23	Microprocessor 8085 & and Microcontroller 8051	<ul style="list-style-type: none"> <li>• To introduce 8085 architectures and develop the skills for writing the programming in assembly language.</li> <li>• Students can able to recall and apply a basic concept of digital fundamentals to Microprocessor based personal computer system.</li> <li>• To introduce the basic concept of interfacing memory and peripheral devices i.e., external ports such as pen drives, hard disks etc...</li> <li>• Students have an understanding of microcontroller 8051 architectures, memory and peripherals including timers, counters and converters.</li> <li>• The study of applications of microprocessor gives interfacing and assembly language programs for the measurement, control and display of electrical, physical, and some other quantities such as temperature, strain and various types of wave generation</li> </ul>

		ZPHM24	Statistical mechanics	<ul style="list-style-type: none"> <li>• Understand the statistical nature of concept about phase space, types of ensembles and equilibrium and connection between statistical and thermodynamical quantities.</li> <li>• Know the concept and role of indistinguishability in the theory of gases and the results expected from classical consideration (Maxwell-Boltzmann distribution).</li> <li>• Understand quantum statistical mechanics (Bose-Einstein, Fermi-Dirac distribution), where they are applicable, and how they differ from classical statistical mechanics.</li> <li>• Know how to apply the principles of statistical mechanics to problems (specific heat capacity of a solid by Dulong-Pettit law, Einstein theory, Debye theory).</li> <li>• Know the phase equilibrium condition and identify the types of phase transition of physical systems</li> </ul>
1504	Bsc Chemistry	CMCH21	Inorganic Chemistry	<ul style="list-style-type: none"> <li>• Study the atomic structure from wave mechanical concept</li> <li>• Know the arrangement of elements in the periodic table and the periodic properties.</li> <li>• Understand the different kinds of chemical forces in molecules.</li> <li>• Know the nature of compounds formed by s-block elements.</li> <li>• Acquire the knowledge about p-block elements</li> </ul>
1527	B.Sc Zoology	CMZO21	Chordata	<ul style="list-style-type: none"> <li>• To dissect and mount the shark placoid scales.</li> <li>• To observe the frog arterial system &amp; brain both dorsal and ventral view.</li> </ul>
		CPLS21	Professional English for Life Sciences - II	<ul style="list-style-type: none"> <li>* Producing common workplace documents</li> <li>* Recognizing and correcting grammar, expression, syntax, and tone mistakes</li> </ul>

		CACH21	Allied Chemistry - II	<ul style="list-style-type: none"> <li>• Learn the chemistry of basic aromatic compounds.</li> <li>• Understand the nuclear particles and few nuclear reactions</li> <li>• Know about carbohydrates, amino acids, proteins and nucleic acid.</li> <li>• Study about fuels, fertilizers, cement and glass.</li> <li>• Know about some common diseases and the drugs used.</li> </ul>
1506	Computer Science	CMCS21	Programming in C++	<ul style="list-style-type: none"> <li>• Introduction of principles of Object oriented Programming</li> <li>• To discuss the concept of constructors and destructors</li> <li>• Understanding the features of operator overloading, type conversion and inheritance</li> <li>• Understanding the features of pointers, virtual functions and polymorphism</li> <li>• Working with files and templates</li> </ul>
1521	PHS	CMPE21	Theories of Games - I	<ul style="list-style-type: none"> <li>• Trace the history and working federations</li> <li>• Develop the fundamental skills and techniques</li> <li>• Acquire the physiological training, warming-up and motor qualities</li> <li>• Become familiar with the rules and regulations and their interpretations.</li> <li>• Learn the method of officiating play field, equipment specifications and scoring</li> </ul>
		CAPE21	Health Education, Safety Education	<ul style="list-style-type: none"> <li>• Understand the meaning of health and relationships among the various aspects of health;</li> <li>• Analyse the principles and characteristics of health education;</li> <li>• Understand the importance of the hygiene and practices related to maintenance and promotions of health;</li> <li>• Prepare obligatory measures to prevent the contemporary health problems which are related to the community; and</li> <li>• Understand the importance of safety education for preventing accidents and its general principles</li> </ul>

1301	B.Com	CMCO21	Financial Accounting II	<ul style="list-style-type: none"> <li>• Understand about the Consignment form of business and carryout the accounting procedure</li> <li>• Create an idea about the working frame of non-trading concerns</li> <li>• To know about Joint Venture and understand the difference between Partnership and Joint Venture form of business organization</li> <li>• Provide real life opportunities to manage business accounts by preparing Average Due Date and Account Current.</li> <li>• Learn about Insurance Claims and Self Balancing Ledgers</li> </ul>
		CMCO22	Principles of Insurance	<ul style="list-style-type: none"> <li>• Understand the nature of Insurance and the principles those govern general insurance.</li> <li>• Gain an insight on the nature of Life Insurance, Fire Insurance and Marine Insurance and to know the procedure for making claims against different kinds of Insurance policies.</li> <li>• Understand the dynamics of Financial Security of people.</li> <li>• Learn the meaning and importance of new forms of Insurance.</li> </ul>
		CACO21	Marketing - Allied	<ul style="list-style-type: none"> <li>• Understand the basic concepts of Marketing</li> <li>• Impart knowledge about Marketing Mix and Market Segmentation</li> <li>• Create skills to develop marketing strategies based on product</li> <li>• Learn about the marketing of consumer goods</li> <li>• Understand the meaning and importance of International Marketing</li> </ul>



2301	M.Com	ZKCM21	Advanced Financial management	<ul style="list-style-type: none"> <li>• Learn the basics of Management Accounting, its objectives, advantages and disadvantages. Also analyse its difference with Financial Accounting and Cost Accounting</li> <li>• Compute Fund and Cash Flow Statements, understand its difference</li> <li>• Know about Marginal Costing with concepts like P/V Ratio, CVP analysis, Break Even analysis and Margin of Safety also understand its advantages and limitations</li> <li>• Learn about Standard costing and budgetary control, their advantages and disadvantages, analyse material – labour and overhead variances</li> <li>• Learn about Budgets and budgetary control, their meaning, objectives, features, advantages and limitations. Also prepare flexible, cash, production, purchase and sales budgets.</li> </ul>
		ZKCM22	Quantitative Techniques	<ul style="list-style-type: none"> <li>• Introduce to the students the basic concepts of Linear Programming</li> <li>• Acquaint the concept and formulation of Transportation Problems with different methods for solving it</li> <li>• Learn the concept of mathematical formulation of assignment problem. Solve balanced / unbalanced, Minimization / Maximization, restricted / reserved routes, travelling sales man problems</li> <li>• Know about Project Management and Queuing Models, understand the different types of networks like PERT and CPM</li> <li>• Understand Replacement analysis and Simulation</li> </ul>

		ZKCM23	Corporate Legal frame work	<ul style="list-style-type: none"> <li>• Learn the important provisions of Payment of Wages act, Payment of Bonus Act, Industrial Disputes Act and Sale of Goods Act, 1930</li> <li>• Understand the important provisions of Companies Act, 2013 with respect to Board of Directors, Manager, Managing Director, types of meetings, powers/duties/liabilities of directors and Corporate Governance</li> <li>• Know the objectives and provisions of Foreign Exchange Management Act, 1999</li> <li>• Study the environmental legislations Legal and regulatory frame work, obtaining environmental clearance, functions of environmental tribunal and Environment Audit</li> <li>• Know the important provisions of Consumer Protection Act, Competition Act-2002 and IT Act 2000/2002</li> </ul>
		ZKCM24	Enterprise Resource Planning	<ul style="list-style-type: none"> <li>• Introduce the concept of Business Engineering and Enterprise Resource Planning (ERP) and integrated system approach in business</li> <li>• Overview about Micro Small and Medium Enterprises, government policies, support measures, incentive schemes and problems encountered by these enterprises</li> <li>• Learn the meaning, characteristics, objectives, merits, demerits, importance and problems of Micro Small and Medium Enterprises. Also learn the steps involved in starting up a business</li> <li>• Understand the growth and performance of Public Sector, new public sector policy, organization of public enterprises, pricing strategy of different sectors, disinvestment and privatization in India</li> </ul>

		ZKCM25	Corporate Social Responsibility	<ul style="list-style-type: none"> <li>• To understand the concept of CSR and the theoretical underpinnings.</li> <li>• To understand the stakeholder approaches.</li> <li>• Provide an experiential, integrative, substantive, and high quality experience surrounding issues of Corporate Social Responsibility</li> <li>• To provide participating students with a truly unique curriculum experience with field experience</li> <li>• They will understand the theoretical framework of CSR and the legal guidelines developed to undertake CSR.</li> </ul>
		ZKCE23	Customer Relationship Management	<ul style="list-style-type: none"> <li>• Understanding the Strategy and Organization of CRM.</li> <li>• To understand the Strategy and organization of Relationship of Management.</li> <li>• Relationship theory from the point view of customer and organisation.</li> </ul>
1105	B.A ENGLISH	CMEN21	British Drama	<ul style="list-style-type: none"> <li>• To acquaint the students to the growth and development of english drama from a historical perspective.</li> <li>• To accustom the students to the various dramatic devices and techniques used in the genre.</li> <li>• To develop positive attitudes toward constructive ideas and values that is transmitted and dramatized in oral or written forms.</li> <li>• Students will be able to manipulate body movements and facial expression to convey appropriate emotions and meaning in dramatization.</li> <li>• Acquire good speakin and listening habits to understand enjoy and appreciate dramatic texts.</li> </ul>
		CMEN22	History of English Literature	<ul style="list-style-type: none"> <li>• To give a clear and systemic understanding of the national changes and developments and that influenced british literature.</li> <li>• To familiarize the students about the historical movements that influenced the transformation of the literary tastes and standards.</li> <li>• To enhance apprciation and enjoyment of literature and language.</li> <li>• To close reading of authors, their age, etc.,</li> <li>• To develop interest in and appreciation of literature.</li> </ul>

		CAEN21	Grammar and Usage	<ul style="list-style-type: none"> <li>• To enhance the communicative competence by improving the grammatical skills</li> <li>• To strengthen the writing skills by augmenting the grammatical skills</li> <li>• Enable the students to use english correctly and confidently</li> <li>• To understand the grammar structure by talking about it in pair/group work</li> <li>• To make them able to self-correct when using targeted grammatical structures</li> </ul>
1401	B.C.A	CMCA21	Programming in C++	<ul style="list-style-type: none"> <li>• Introduction of principles of Object oriented Programming</li> <li>• To discuss the concept of constructors and destructors</li> <li>• Understanding the features of operator overloading, type conversion and inheritance</li> <li>• Understanding the features of pointers, virtual functions and polymorphism</li> <li>• Working with files and templates</li> </ul>
		CACA21	Mathematical Foundation for Physical Science	<ul style="list-style-type: none"> <li>• The students are learning about Vector analysis, Matrices, Special functions, Fourier's Integral Transforms, Laplace Integral Transforms .</li> <li>• The students are learning about Complex analysis, Group theory, Special functions, Partial Differential Equations, Tensor analysis .</li> </ul>
1506	COMPUTER SC.	CACSP1	Practical-Linux	<ul style="list-style-type: none"> <li>• To find various Linux commands</li> <li>• To interpret and make effective use of Linux utilities</li> <li>• To construct Shell scripting language to solve problems.</li> <li>• To list shell scripting conditions</li> <li>• To develop Linux communication oriented commands</li> </ul>

		CMCSP2	Practical II-Programming in c++	<ul style="list-style-type: none"> <li>• Describe the procedural and object oriented paradigm with concepts of streams, classes, functions, data and objects.</li> <li>• Understand dynamic memory management techniques using pointers, constructors, destructors, etc</li> <li>• Describe the concept of function overloading, operator overloading, virtual functions and polymorphism.</li> <li>• Classify inheritance with the understanding of early and late binding, usage of exception handling, generic programming.</li> <li>• Demonstrate the use of various OOPs concepts with the help of programs</li> </ul>
<b>III SEMESTER</b>				
		C1TL31	Kappiyam, Sittelakkiam	<p>1. புராண, தொன்மையான தொடர் நிலைச் செய்யுள்களின் வழிஇ வாழ்வியல் சிக்கல்களுக்குத் தீர்வு காட்டுதல்.</p> <p>2. இக்கால இலக்கிய வகைகளை அறிமுகப்படுத்தி, உத்திகளை உணர்த்தி படைப்பாற்றலை வளர்த்தல்.</p>
		C2EN31	English	<p>*Have an appreciable understanding of English Grammar.</p> <p>*Acquire proficiency in LSRW skills and communicate effectively.</p>
	<i>Economics &amp; BCA</i>	CNCO31	Commerce: Introduction to Accountancy	<ul style="list-style-type: none"> <li>• Provide knowledge to the students with the basic principles of accounting and the roles of debit and credit</li> <li>• Familiarize the students with the preparation of journals and subsidiary books</li> <li>• Educate them to prepare ledgers and balancing of ledger accounts</li> <li>• Know about the preparation of trial balance and its features and objectives</li> <li>• Create an idea about the preparation of final accounts with simple adjustments</li> </ul>

	<i>Economics &amp; PHS</i>	CNHI31	History - Freedom Movement in India	<ul style="list-style-type: none"> <li>• Learn about the birth of Indian national congress</li> <li>• Knowledge about the non co - operation movement.</li> <li>• It explains about the poorna swaraj resolution.</li> <li>• It helps us to understand the round table conferences.</li> <li>• Understand the functions of independence Act of 1947.</li> </ul>
		CYOG31	Yoga	<ul style="list-style-type: none"> <li>• Understand the asanas</li> <li>• Understand the bandhas</li> <li>• Acquire knowledge on pranayama;</li> <li>• To know about kriyas</li> <li>• To know about meditation types</li> </ul>
	<i>Maths &amp; Comp. Sci</i>	CNBO32	Botany: Herbal medicine	<ul style="list-style-type: none"> <li>• To provide the knowledge on diversity and importance of indigenous medicinal plants and their role in traditional medicinal systems.</li> <li>• To enrich the knowledge on identification, medicinal properties and their mechanism of action of locally available medicinal plants.</li> <li>• To analyze the chemical principles and their drug values, conservation and utilization of endangered medicinal plants.</li> </ul>
	<i>Maths &amp; English</i>	CNCS32	Computer science: Basic Programming design	<ul style="list-style-type: none"> <li>• Makes students gain a broad perspective about the uses of computers in engineering industry.</li> <li>• Develops basic understanding of computers, the concept of algorithm and algorithmic thinking.</li> <li>• Develops the ability to analyze a problem, develop an algorithm to solve it.</li> <li>• Develops the use of the C programming language to implement various algorithms, and develops the basic concepts and terminology of programming in general.</li> <li>• Introduces the more advanced features of the C language</li> </ul>
1506	<i>Computer Science</i>	CMCS31	Java Programming	<ul style="list-style-type: none"> <li>• Introducing Data type, variables and arrays</li> <li>• concept of Class, Methods</li> <li>• Packages and interfaces for profound knowledge</li> <li>• Applet concept and event handling</li> <li>• Understanding AWT class</li> <li>• understand and implement of Java Programming</li> </ul>

		CMCS32	Digital Design	<ul style="list-style-type: none"> <li>• Understanding of digital logic fundamentals gates and study of Boolean algebra and KMaps.</li> <li>• Knowledge of number systems and conversions with data processing circuits</li> <li>• Study of binary arithmetic circuits with clock and timing circuits for hardware Implementation</li> <li>• Flip-flops and Registers for understanding, knowledge and implementation</li> <li>• Knowledge, understand and implements counters and A/D and D/A conversions</li> </ul>
		CMCSP3	Major practicals Java programmings	<ul style="list-style-type: none"> <li>• knowledge about java programming concepts</li> <li>• To understand and implementing programs</li> <li>• To develop java programming</li> </ul>
		CACS31	Scripting Languages	<ul style="list-style-type: none"> <li>• To understand the basic concepts of HTML and web programming.</li> <li>• To Demonstrate the concepts of scripting languages for developingØ web-based projects</li> <li>• Ability to compare the differences betweenØ Scripting languages and programming languages To understand CSS files HTML Multimedia.Ø</li> <li>CO5:Ability to develop projects using HTML and WebØ pages</li> <li>• Understand the importance of life-long learning, and be prepared to learn and understand new technological developments in their field</li> </ul>
		CACSP3	Allied Practicals: Scripting Languages	<p>To Develop and Implement HTML form, navigation Bar With embed Audio and Video They will also learn and design Client side validation using scripting languages</p>

1521&1301	<i>PHS &amp; B.Com</i>	CNEC31	Economics : Economics for competitive Examination I	<ul style="list-style-type: none"> <li>• Sustainability - a rate of growth which allows an increase in living standards with</li> <li>• out undue structural and environmental difficulties. 'Economic growth' will be studied later on in this</li> <li>• book.</li> <li>• Full employment -where those who are able and willing to have a job can get one, given that</li> <li>• there will be a certain amount of frictional and structural unemployment.</li> <li>• Price stability -when prices remain largely stable, and there is not rapid inflation or deflation.</li> <li>• Price stability is not necessarily the same as zero inflation, but instead steady levels of low moderate inflation are often regarded as ideal.</li> <li>• External balance -equilibrium in the Balance of payments without the use of artificial constraints. That is, exports roughly equal to imports over the long run.</li> <li>• Equitable distribution of income and wealth -a fair share of the national 'cake', more equitable than would be in the case of an entirely free market</li> </ul>
1301	<i>B.Com</i>	CMCO31	Advanced Financial accounting	<ul style="list-style-type: none"> <li>• Understand the meaning of Branch and Departmental Accounts and prepare different types of accounts</li> <li>• Learn about Contract and Farm Accounting</li> <li>• Know about Hire Purchase and Instalment System and the nuances like Cash price, interest calculations, default and re-possession. Also appreciate the differences between the two systems.</li> <li>• Prepare Royalty accounts with concepts like Minimum Rent, Short Workings, recoupment, strike and lock out.</li> <li>• Prepare Insolvency accounts of individuals, statement of affairs and deficiency account.</li> </ul>



		CMCO33	Banking theory law & practice	<ul style="list-style-type: none"> <li>• To understand the basic concept used in banking.</li> <li>• To know the various kinds of banking and their functions.</li> <li>• To know the banking product or services.</li> <li>• To know the development of technology in banking company.</li> <li>• To know the Reserve Bank of India and their importance in banking industry.</li> </ul>
		CSCO31	Business communication	<ul style="list-style-type: none"> <li>• Know the process and importance of communication and to familiarize with its functions and kinds</li> <li>• Create knowledge about business correspondence and principles of letter writing</li> <li>• Learn about quotations, orders, tenders, salesletters and collection letters</li> <li>• Educate the students about job related communication and resume preparation</li> <li>• Provide knowledge about employment interview and its process and also suggest useful tips for successful interview</li> </ul>
		CMCO34	Computer Applications in Business	<ul style="list-style-type: none"> <li>• Learn about the basics of Computers like IPO cycle, components, hardware and software, Operating system</li> <li>• Know about e-Commerce and e-Business</li> <li>• Understand about the consumer oriented e-commerce applications</li> <li>• Know the conceptual framework of Electronic Data Interchange</li> <li>• Appreciate the E-marketing and E-advertising techniques</li> </ul>
		CNEC32	GENERAL ECONOMICS	<ul style="list-style-type: none"> <li>• To understand business economics and importance of business economics for managerial decision making.</li> <li>• To determine the position of firms using demand and supply conditions.</li> <li>• To analyse cost effective production techniques.</li> <li>• To use the demand estimation to forecast demand trends and change.</li> <li>• To analyse market situations to establish market equilibrium.</li> <li>• To examine pricing theory to decide on strategies.</li> </ul>

2107	MA Tamil	ZTLM31	காப்பிய இலக்கியம்	<ul style="list-style-type: none"> <li>• தமிழ்க்காப்பியங்களின் இலக்கணம் பற்றி மாணவர்கள் அறிந்து கொள்வார்கள். தமிழ்க்காப்பியத் தோற்றம் வளர்ச்சி, பயன்படுத்தும் உத்திகள் பற்றியும் மாணவர்களால் அறிந்து கொள்ள முடியும்.</li> <li>• சிலப்பதிகார மதுரைக்காண்டத்தில் கோவலன் கண்ணகி பற்றிய செய்திகளையும் சீவக சிந்தாமணி, மணிமேகலை ஆகியவற்றின் காப்பியச் செய்திகளை நயங்களுடன் அறியமுடியும்.</li> <li>• பெரியபுராணம், கந்தபுராணம் போன்ற சைவ காப்பியங்கள் பற்றி மாணவர்கள் அறிந்து கொள்வார்கள்.</li> <li>• வைணவ காப்பியச் செய்திகளையும், இசுலாமிய, கிறித்தவக் காப்பியச் செய்திகளையும் மாணவர்களால் அறிந்து கொள்ள முடியும்.</li> <li>• இருபதாம் நூற்றாண்டுக் காப்பியங்கள் பற்றி மாணவர்கள் தெரிந்து கொள்வார்கள்.</li> </ul>
		ZTLM32	இலக்கணம் III தொல்காப்பியம் - பொருள் (இயல் 1- 5 )	<ul style="list-style-type: none"> <li>• சங்ககால மக்களின் களவு வாழ்க்கை பற்றியவற்றை அறிந்து கொள்ள பயன்படுகிறது</li> <li>• பொருளியல் சார்ந்த நிலைகளை அறிந்து கொள்ள உதவுகிறது</li> <li>• அன்பின் 7 திணைக்குப் புறமான 7 புறத்திணை பற்றி அறிய முடிகிறது</li> <li>• தொல் - நம்பியில் ஏற்பாட்ட மாற்றங்களை ஒப்பிட்டு உதவப் பயன்படுகிறது</li> <li>• கால மாற்றத்தில் விளைந்த புறச் செய்திகளை ஒப்பிட்டு விளங்கிக் கொள்ள பயன்படுகிறது</li> </ul>
		ZTLM34	உரையாசிரியர்களும் உரைமரபும்	<ul style="list-style-type: none"> <li>• உரைகளின் தோற்ற வளர்நிலைகளை மாணவர்கள் அறிந்திருதல்</li> <li>• பல்வேறு இலக்கண உரையாசிரியர்களின் உரைத்திறனை மாணவர்கள் தெரிதல்</li> <li>• பல்வேறு இலக்கிய உரையாசிரியர்களின் உரைத்திறனை மாணவர்கள் தெரிதல்</li> <li>• சமயநூல் உரையாசிரியர்களின் உரைத்திறனை மாணவர்கள் புரிந்துணர்தல்</li> <li>• அண்மைக்கால உரையாசிரியர்களின் உரைகளையும் மாணவர்கள் கண்டுணர்தல்</li> </ul>

		ZTLM33	ஆராய்ச்சி நெறிமுறைகள்	<ul style="list-style-type: none"> <li>• அணுகுமுறை பற்றிய விளக்கம், அணுகுமுறையின் வகைகள், வேறுபாடு பற்றி மாணவர்கள் அறிதல்.</li> <li>• அணுகுமுறையின் பயன்பாடு, தமிழ்இலக்கியத்தில் அணுகுமுறையின் தேவை பற்றி ஆய்வாளர்கள் அறிதல்.</li> <li>• அணுகுமுறையின் அடிப்படையில் சமூகம் எவ்வாறு செயல்படுகிறது என்பதை மாணவர்கள் அறிந்து கொள்வார்கள்.</li> <li>• மேலை நாட்டினரின் ஒப்பியல் அணுகுமுறை பற்றி அறிதல்</li> <li>• வரலாற்றியல் அணுகுமுறை மற்றும் மானிடவியல் அணுகுமுறை பற்றிய செய்திகளை மாணவர்கள் தெரிந்து கொள்தல்.</li> </ul>
		ZTLE31	தமிழிலக்கிய மானிடவியல்	<ul style="list-style-type: none"> <li>• இலக்கிய மானுடவியல் அறிமுகம், இனவரைவியலும் படைப்பாளியும், படைப்பும் இனவரைவியலும் ஆகியன அறிதல்</li> <li>• இலக்கிய இனவரைவியலின் வகை, இயல்பு குறித்த செய்திகளைத் தெரிந்து அதன் முக்கியத்துவத்தை உணர்தல்</li> <li>• படிமலர்ச்சி கோட்பாடுகள் அடிப்படைகள், கொள்கைகளை அறிந்து மொழி, இலக்கியப்படிமலர்ச்சியினை அறிதல்</li> <li>• திணைக் கோட்பாட்டின் சமூக அடிப்படைகள் - திணை அமைப்பும் இனவரைவியலும் - கவிதையியல் செய்திகளை அறிதல்</li> <li>• மானுடவியல் அடிப்படையில் சங்க இலக்கியத்தை நோக்கி உண்மைகளை தெரிந்து கொள்ளுதல்.</li> </ul>
		ZTLE32	ஒப்பிலக்கியமும் மொழிபெயர்ப்பும்	<ol style="list-style-type: none"> <li>1. ஒப்பிலக்கியத்தின் தேவையை அறிதல்.</li> <li>2. பிரஞ்சுக் கோட்பாடு, அமெரிக்கக் கோட்பாட்டைக் கற்றறிதல்.</li> <li>3. ஒப்பிலக்கியத்தில் புதிய பரிமாணம் பற்றி அறிதல்.</li> <li>4. மொழிபெயர்ப்பின் இயல்பும், மரபும், மொழிபெயர்ப்பாளரின் தகுதிகள், கடமைகள் பற்றிக் கண்டறிதல்.</li> <li>5. மொழிபெயர்ப்புக் கோட்பாடுகள், மொழிபெயர்ப்பு உத்திகள், மொழிபெயர்ப்புச் சிக்கல்கள் ஆகியவற்றை அறிதல்.</li> </ol>

1103&1104	B.A Economics	CMEC31	Mathematics for Economics - I	<ul style="list-style-type: none"> <li>• Understand the meaning and rules of derivatives, application of derivatives in economics.</li> <li>• Student should know about partial derivatives and its application in economics.</li> <li>• Study the meaning and types of integrals, application of integrals in terms of consumer's surplus and producer's surplus.</li> <li>• Study the meaning, types and operations of matrices.</li> <li>• Study the applications of matrices in input-output analysis, Linear programming.</li> </ul>
		CMEC32	International Economics - I	<ul style="list-style-type: none"> <li>• Creates awareness among the students about the world economy.</li> <li>• Students can learn about the terms of trade and gains from the international trade.</li> <li>• Students can understand the procedures of the imports and exports with trade policies.</li> <li>• Dealt with international monetary systems and financial institutions</li> <li>• Shows terms and conditions of general agreements among the global institutions.(trims,trips ,etc)</li> </ul>
		CAEC31	Entrepreneurial Development	<ul style="list-style-type: none"> <li>• Learn about the basic concept of Entrepreneurship, types of Entrepreneurs, their function and qualities and their role in economic development 2. Analyze factors affecting entrepreneurial growth, concept of women entrepreneurship, their functions and problems faced</li> <li>• Overview about Micro Small and Medium Enterprises, government policies, support measures, incentive schemes and problems encountered by these enterprises</li> <li>• Know about the different Industrial Finance options for Entrepreneurs like SIDBI, TIIC, EDII, NAYE, KVIC, DIC</li> <li>• Visualize the concept of Project Report, its meaning, contents, appraisal, marketing / technical / financial and economic feasibility</li> </ul>

		CSEC31	Rural Economics	<ul style="list-style-type: none"> <li>• Familiarizing the theories, concepts and practical cases of rurality, rural economics and rural economies in the world with country-specific examples.</li> <li>• Critically and creative thinking about the rural economies, rural economics</li> <li>• Acquainting the structure of rural economies – farming, industrialization and possible interactions, rural organizations and problems in rural economies</li> <li>• Familiarizing practical ways to carry out or document case studies/researches on rural economic</li> <li>• Strengthening the students’ skills on preparation and presentations of the case studies</li> </ul>
		CNPE31	PhS: Principles of Physical Literacy	<ul style="list-style-type: none"> <li>• Explain the concept of physical literacy</li> <li>• Describe the relationship between physical literacy, physical activity, and physical fitness</li> <li>• Identify the general course of motor skill (movement) development in childhood and the approximate age of adult proficiency</li> <li>• Describe the relationship between the development of movement competence, confidence, and motivation, in support of physical literacy development</li> <li>• Identify key elements of a supportive physical literacy environment</li> <li>• Recognize that physical literacy activities must be accessible and inclusive</li> <li>• Describe and diagram a physical literacy life journey</li> </ul>

2101	MA Economics	ZESM31	Agriculture Economics	<ul style="list-style-type: none"> <li>• Expresses agricultural business, farmer, agricultural activities and the relationship between agricultural economy with other disciplines</li> <li>• Emphasizes the importance of agricultural economy</li> <li>• Describes the importance of farm enterprises to provide raw material of farm production and creates functional connections between output and inputs</li> <li>• Explains the importance of record keeping and calculates the cost of agricultural production</li> <li>• Introduces basic concepts on development, rural area and rural development</li> <li>• Lists agricultural policy and its components,</li> </ul>
		ZESM32	Development Economics	<ul style="list-style-type: none"> <li>• To study the importance of economic development and its measurement</li> <li>• To understand and study the different theories of growth</li> <li>• To study the importance theories of development</li> <li>• To study the sectoral aspects of development</li> <li>• To acquire the importance of resource allocation, planning and development</li> </ul>
		ZESM33	Monetary Economics	<ul style="list-style-type: none"> <li>• Explain and discuss why people hold money and why it is used in the trading process</li> <li>• Solve macroeconomic models and assess the role and efficacy of monetary policy for various types of models in both the classical and keynesian set-ups</li> <li>• Describe and explain the main channels of the monetary transmission mechanism, through which monetary policy can have real effects on the economy • discuss the merits and disadvantages of different monetary policies used by central banks</li> <li>• introduce the concepts of data and parameter uncertainty and discuss the policy under uncertainty.</li> </ul>

		ZESM34	Research Methodology	<ul style="list-style-type: none"> <li>• Understand the methodology of economic and social research.</li> <li>• To provide an environment and create aptitude towards research.</li> <li>• To make the students to understand the current Economic problems.</li> <li>• To impart important knowledge to the students about application statistical tools in Social Science.</li> <li>• To motivate the students to write a research paper</li> </ul>
		ZESE31	Computer Applications in Economics	<ul style="list-style-type: none"> <li>• To explain the Data Entry</li> <li>• To study the concept of Code Book, Data List and Begin Data</li> <li>• Acquire the knowledge of ANOVA</li> <li>• To understand analysis of Interpretation of Data</li> </ul>
		ZESE32	Demography	<ul style="list-style-type: none"> <li>• Knowledge about the meaning and scope of demography.</li> <li>• It explains the structure of population and its effect on developed and less developed nations.</li> <li>• The subject helps us to know about, Theories of migration and urbanization.</li> <li>• It gives the demographic data base in India in order to develop the country (Age structure of population, infant, Child mortality rates, etc.)</li> <li>• The chapter shows terms and conditions of general agreements among the global institutions.(trims, trips, etc)</li> <li>• It gives an idea and views on demography.</li> </ul>
1517	B.Sc Maths	CMMA31	Sequences and series	<p>accommodate the concept of different types of sequences and series.</p> <p>2. know how to apply various tests to test the convergence of series.</p>
		CAST11	Statistics - I	<ul style="list-style-type: none"> <li>• To introduce the new concept Measures of central tendency to other major students.</li> <li>• To study about correlation, regression and to solve the simple problems.</li> <li>• Know formulas to find mean, median mode.</li> <li>• Understand correlation and regression.</li> </ul>

		CSMA31	Vector Calculus - Skilled based	<ul style="list-style-type: none"> <li>• To lay a good foundation of vector differentiation and vector integration.</li> <li>• To solve problems related to this</li> <li>• Recognize the importance of integration.</li> <li>• Relate the line integral, surface integral and volume integral</li> </ul>
2515	M.Sc Maths	ZMAM31	Measure and Integration	<ul style="list-style-type: none"> <li>• Students will understand the concept of Lebesgue measure, outer and inner approximation and Borel Cantelli lemma.</li> <li>• Students will acquire knowledge about Lebesguemeasurable functions, littlewood's three principle, egoroff's theorem and Lusin's theorem.</li> <li>• Students will understand the concept of lebesgue integration and Riemann integral. Differentiability of Monotone Functions: Lebesgue's Theorem, Functions of Bounded Variation: Jordan's Theorem.</li> <li>• Students know the concept of General Measure Spaces, their Properties and Construction. Signed Measures: The Hahn and Jordan Decompositions.</li> <li>• Students will acquire knowledge about Integration over General Measure Spaces. Integration of non – negative Measurable functions</li> </ul>
		ZMAM32	Topology - I	<ul style="list-style-type: none"> <li>• Students are able to know about Topological Spaces and subspace topology</li> <li>• Studied about the Product Topology and Closed sets.</li> <li>• Acquired knowledge about continuous functions.</li> <li>• Gets knowledge about connected spaces and compact spaces.</li> <li>• It extends to limit point compactness and local compactness.</li> </ul>
		ZMAM33	Advanced Algebra - I	<ul style="list-style-type: none"> <li>• The aim of the paper is to introduce some of the most fundamental algebraic structures like inner product space, Determinants, etc.</li> <li>• student can understand the notion of Dual Spaces.</li> <li>• student can understand the algebra of Linear transformations</li> </ul>



		ZMAM34	Graph Theory	<ul style="list-style-type: none"> <li>• Students will be able to understand the basic concepts of a tree, vertex and an edge.</li> <li>• Students will apply the concept of Eulerian and Hamiltonian graphs in real life problems.</li> <li>• Students will be able to understand the concept of Matching and Coloring.</li> <li>• Students will study the concept and properties of Ramsey numbers.</li> <li>• Students will be able to understand the concept of chromatic number of a graph and tries to find the chromatic number of various graph structures.</li> </ul>
		ZMAM35	Algebraic Number Theory	<ul style="list-style-type: none"> <li>• To acquire knowledge about recent developments in Algebra have its impact on Number Theory and Number Theory too has its own contribution to the development of algebra.</li> <li>• To understand and appreciate the role played by Algebra in Number Theory.</li> <li>• Knowledge gained about various types of numbers such as algebraic Numbers, Pythagorean triples and representation of number as sum of positive squares</li> </ul>
1522	B.Sc.Physics	CMPH31	Electricity & Electromagnetism	<ul style="list-style-type: none"> <li>• Understand the circumstances under which changing magnetic fields lead to induced currents.</li> <li>• Get the fundamental knowledge about transient current and also understand the growth and decay of charge for different combinations LR circuit, CR circuit, LCR circuits.</li> <li>• Understand the alternating current in terms of voltage and current with time ac for different single components (L, C, R) only and also the LCR series and parallel combinations.</li> <li>• Get knowledge about the principle of thermocouple and applications of thermocouple.</li> <li>• Get sound knowledge in magnetic properties of the material and also understand how Maxwell equations lead to electromagnetic waves.</li> </ul>

		CSPH3A	Maintenance of Electrical Appliances - Skill Based	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Resistance, Capacitance and Inductance and also how to measure the value of resistance, capacitance values.</li> <li>• Get the basic knowledge about Transformer and how is it working and testing the transformers and also how to construct the simple transformers and identify to solve their losses</li> <li>• Get knowledge about the home appliances like Grinder, Washing machine and oven</li> <li>• Know how to electrical wiring in home and also industries.</li> <li>• Get knowledge about how to protect the electrical circuit and how to solve any problems in basic circuit connections.</li> </ul>
		CACH11	Allied Chemistry - I	<ul style="list-style-type: none"> <li>• Learn about atomic structure and bonding.</li> <li>• Learn the principles of reactions of organic compounds.</li> <li>• Study about photochemical reactions.</li> <li>• Learn about the importance of polymers and polymer science.</li> <li>• Study about lubricants and some cosmetics in the modern world.</li> </ul>
		CMPHP3	Major Practicals - I	<ul style="list-style-type: none"> <li>• To determine the Young's modulus of the material of a bar by Non-uniform bending method using pin and microscope.</li> <li>• To determine the Young's modulus of the material of the bar by uniform bending method using optic lever and telescope.</li> <li>• To determine Young's modulus of a given bar by measuring the depression of its loaded end when it is used as cantilever.</li> <li>• To determine rigidity modulus of the material using torsion pendulum method with and without mass and calculating the moment of inertia of the disc.</li> <li>• To determine the coefficient of viscosity of a highly viscous liquid (Such as castor oil) by Stokes' method.</li> </ul>

		CACHP1	Allied chemistry Practical - I	<ul style="list-style-type: none"> <li>• Enable the students to acquire the quantitative skills in volumetric analysis</li> <li>• Estimate the oxalic acid</li> <li>• Estimate the <math>\text{Na}_2\text{CO}_3</math></li> <li>• Estimate the hydrochloric acid</li> <li>• Estimate of ferrous ammonium sulphate, ferrous sulphate, oxalic acid using Permanganometry</li> </ul>
2521	M.Sc.Physics	ZPHM31	Quantum Mechanics- I	<ul style="list-style-type: none"> <li>• Introduction about quantum mechanics brings out the quantum ideas and its subsequent progressive advances.</li> <li>• The physical significance of the wave function can understand by the uncertainty principle, the time-dependent and time-independent Schrodinger theories.</li> <li>• The scattering phenomena are useful in understanding the properties of atoms, nuclei and the interaction of elementary particles.</li> <li>• The studying of photon behaviors is useful in designing the quantum optical devices such as lasers enabled in optic telecommunications.</li> <li>• The computer chips used in desktops, laptops, smart phones etc... are working on the principle of wave nature of electrons.</li> </ul>
		ZPHM32	Atomic and Molecular Spectroscopy	<ul style="list-style-type: none"> <li>• This course gives detailed knowledge about various types of spectroscopy.</li> <li>• The structure of different chemical compounds can be determined by studying these types.</li> </ul>
		ZPHM33	Condensed matter Physics	<ul style="list-style-type: none"> <li>• Analyze the Crystal structure by applying crystallographic parameters</li> <li>• Gain knowledge about vibration of crystals and density of states with some models</li> <li>• Understand the concept of energy bands and gaps with theoretical background</li> <li>• Acquire knowledge about the available magnetic materials with necessary theories</li> <li>• classify condensed matter upon its electrical and transport properties, and understand the superconductivity phenomenon</li> </ul>

		ZPHM34	Numerical methods & Programming in C++	<ul style="list-style-type: none"> <li>• Solve nonlinear equations of higher order which frequently comes in vibration of strings and heat transfer problems</li> <li>• Effectively use methods like matrix inversion and Gauss elimination to solve linear equations Apply the skill of curve fitting in obtained spectra like XRD, FTIR, PL and also for base line corrections</li> <li>• Model physical systems using first and second order differential equations and solve the equations both analytically and numerically</li> <li>• Perform both hand computation and programming</li> </ul>
		ZPHL31	Advanced Physics Experiments - I	<ul style="list-style-type: none"> <li>• Gain practical knowledge of various measurements</li> <li>• Analyze UV spectrum of various molecules</li> <li>• Understand the working of phototransistors</li> <li>• Differentiate linear and nonlinear circuit elements</li> </ul>
		ZPHL32	Microprocessor Experiments	<ul style="list-style-type: none"> <li>• Write and execute programs for solving simple programs</li> <li>• Demonstrate programming proficiency using the various addressing modes and data transfer instructions</li> <li>• To familiarize with the programming and interfacing microprocessors</li> <li>• Generate waveforms using microprocessors</li> </ul>
1504	Bsc Chemistry	CMCH31	Physical Chemistry -I	<ul style="list-style-type: none"> <li>• Understand the gaseous behavior using the kinetic molecular model.</li> <li>• Analyze the difference between thermal and photochemical reaction &amp; its laws.</li> <li>• Gain knowledge in nuclear chemistry, applications of radioisotopes &amp; its reaction mechanism</li> <li>• Explain the concept of crystal lattices and structure of crystals.</li> <li>• Demonstrate the concept behind dilute solutions and its properties.</li> </ul>

		CSCH31	Food chemistry (Skilled Based)	<ul style="list-style-type: none"> <li>• To acquire the basic knowledge of food chemistry</li> <li>• Have knowledge on and be able to use food regulations.</li> <li>• Explain properties and reactions of carbohydrates, lipids and proteins during storage and processing of food and how these influence the quality and properties of the food.</li> <li>• Explain the importance of water for stability and quality of foods.</li> </ul>
		CAPH11	Allied physics	<ul style="list-style-type: none"> <li>• Beam theory is used to design and analysis of wide range of structures in construction and it is also used in understanding the physical properties of rigid materials.</li> <li>• The study of surface tension and viscosity gives an insight about the properties of liquids such as basic molecular interactions, the viscous nature of liquid and the flow of liquids.</li> <li>• An introduction about Sound theory enables the different types of vibrations to understand about the vibrational motion of a body.</li> <li>• The thermal properties of matters such as conduction, convection and radiation are studied in thermal physics.</li> <li>• Wave theory of light including interference, diffraction and polarization empowers the applications involved in designing the various types of lenses used in day-today life.</li> </ul>
		CMCHP3	Practical -Inorganic qualitative Analysis and Organic preparation	<ul style="list-style-type: none"> <li>• Enable the students to understand various procedures in Interfering acidic radicals and Basic radicals.</li> <li>• Create awareness on ecofriendly approach in salt analysis</li> <li>• Use modern instruments, techniques &amp; able to record the results of the experiments</li> <li>• Design, carry out, record &amp; analyze the results of chemical experiments.</li> <li>• Knows the proper procedure &amp; regulations for safe handling &amp; use of chemicals</li> </ul>

		CAPHP1	Allied Physics -Practical	<ul style="list-style-type: none"> <li>• Enable the students to acquire the quantitative skills in volumetric analysis</li> <li>• Estimate the oxalic acid</li> <li>• Estimate the Na<sub>2</sub>CO<sub>3</sub></li> <li>• Estimate the hydrochloric acid</li> <li>• Estimate of ferrous ammonium sulphate, ferrous sulphate, oxalic acid using Permanganometry</li> </ul>
1527	B.Sc Zoology	CMZO31	Cell Biology& Bio Chemistry	<ul style="list-style-type: none"> <li>• To observe the giant chromosomes in chromomous larva.</li> <li>• To prepare human and frog blood</li> <li>• To observe the simple mendelian fruit in man</li> <li>• Observation and study of polygenic inheritance of quantitative traits to be interpreted in graphs.</li> <li>• To analyse the blood group in a population with 30 students.</li> <li>• To study the model of genetic significance.</li> </ul>
		CSZO31	Home Aquarium - Skill based	<ul style="list-style-type: none"> <li>• It explains the importance and construction techniques of Home Aquarium.</li> <li>• It discusses about ornamental fishes and plants used in aquarium tanks.</li> <li>• To know the different species of ornamental fishes.</li> <li>• It states the facts about reproductive biology and the diseases of ornamental fishes.</li> <li>• It emmorates the taxonomy and morphology of other ornamental organisms and some aquatic plants.</li> </ul>
		CABO11	Plant Diversity & medicinal Botany - Allied	<ul style="list-style-type: none"> <li>• Understanding the Characters and importance of Algae and Fungi.</li> <li>• Provides the basic features and importance of Lichen and Bryobhytes.</li> <li>• Gives the Basic knowledge about Pteridophytes and Gymnosperms.</li> <li>• Familiar with Angiosperm Classification and typical families.</li> <li>• Acquire knowledge about some Medicinal Plants Morphology,Parts used and Medicinal uses of Selective plants.</li> </ul>

		CMZOP3	Major Practical : Cell Biology & Bio Chemistry	<ul style="list-style-type: none"> <li>• To measure the rate of O<sub>2</sub> consumption in a fish.</li> <li>• Calculate the Q<sub>10</sub> with the effect of temperature on the opercular movement of fish.</li> <li>• To demonstrate the blood pressure using sphygmomanometer.</li> </ul>
		CABOP1	Plant Diversity & medicinal Botany - Allied PRACT	<ul style="list-style-type: none"> <li>• Acquire the knowledge on Identification of common Plants and their Families.</li> <li>• To describe the Angiospermic plants in technical terms.</li> <li>• Demonstrate the Embryo dissection.</li> <li>• To increase the knowledge in Micropreparation skills.</li> <li>• How to identify the Medicinal Plants.</li> <li>• Acquire the knowledge on Identification of Specimens prescribed in the syllabus.</li> </ul>
		CNPH31	Physics : Basic physics	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Motion, Force, Newton law and also conservation of energy.</li> <li>• Get the basic knowledge about Pascal's law and Archimedes Principle and their applications.</li> <li>• Get basic knowledge about Heat and Sound and also to measure the heat and temperature and sound</li> <li>• Get the basic knowledge about Light like reflection, refraction, polarisation, Interference, double refraction.</li> <li>• Get the fundamental knowledge about Resistance and how to measure the value of resistance values.</li> </ul>
1506	Computer Science	CSCS31	Introduction to Big Data analytics	<p>To make the students understand Big Data Analytics</p> <p>To explain the various algorithms in Big Data Analytics</p> <p>To develop Analytic processes</p> <p>To acquire the knowledge about Machine learning</p> <p>To build Machine Learning Algorithms</p>

		CNMA31	Maths:Mathematics for competitive examinations - I	<ul style="list-style-type: none"> <li>• Students will be able to simplify simple expressions and they can apply the knowledge of average to solve real world Problems.</li> <li>• Students will acquire skill of solving day today life situation problems involving Ratio and Proportion.</li> <li>• Students will get an in-depth knowledge in partnership and percentage.</li> <li>• Students will come to know how to calculate profit and loss and how business operate in perfectly competitive markets.</li> <li>• Students will be able to solve mathematical problems on numbers.</li> </ul>
		CNPH31	Physics: Basic physics - I	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Motion, Force, Newton law and also conservation of energy.</li> <li>• Get the basic knowledge about Pascal'law and Archimedes Principle and their applications.</li> <li>• Get basic knowledge about Heat and Sound and also to measure the heat and temperature and sound</li> <li>• Get the basic knowledge about Light like reflection, refraction, polarisation, Interference, double refraction.</li> <li>• Get the fundamental knowledge about Resistance and how to measure the value of resistance values.</li> </ul>
1506	C.S SF	CACSP3	Scripting Language(Practical)	<ul style="list-style-type: none"> <li>• To develop knowledge in web-based projects</li> <li>• To demonstrate programming skills in scripting languages.</li> <li>• To construct the skill of designing GUI in scripting languages</li> <li>• To categorize CSS files</li> <li>• To design JavaScript programs</li> </ul>
		CNCO32	Consumer Protection	<ul style="list-style-type: none"> <li>• To create awareness regarding the intellectual property rights and consumer protection.</li> <li>• To explain the students about a better quality of living as consumers.</li> <li>• To know the exploitations of consumers in different ways</li> <li>• To know the various rights of consumers in Consumer Protection Act</li> <li>• To know the practical issues in consumer related matters.</li> </ul>



1105	BA English	CMEN31	British Prose	<ul style="list-style-type: none"> <li>• To familiarize the students with the evolution of the genre of fiction in Britain</li> <li>• To enhance vocabulary and usage of English through reading</li> <li>• To develop their reading ability through various fictions</li> <li>• To enrich the power of character analysing</li> <li>• To mould them in solving the critical circumstances</li> </ul>
		CMEN32	Indian English Literature-I	<ul style="list-style-type: none"> <li>• To give a clear and systemic understanding of the national changes and developments that influenced British literature.</li> <li>• To familiarize the students about the historical movements that influenced the transformation of the literary tastes and standards.</li> <li>• To enhance appreciation and enjoyment of literature and language.</li> <li>• To close reading of authors, their age, etc.,</li> <li>• To develop interest in and appreciation of literature.</li> </ul>
		CMEN33	American Literature-I	<ul style="list-style-type: none"> <li>• To acquaint the students with different literary era, movements and authors relating to American history and literature</li> <li>• To enhance communicative and creative skills through literature</li> <li>• To accomplish this by combining classic fictional texts with related non-fictional text</li> <li>• To observe the characteristics of different literary eras.</li> </ul>
		CAEN31	African Literature	<ul style="list-style-type: none"> <li>• To develop the cultural notions of Africa</li> <li>• To enhance the knowledge regarding the tribal cultures of Africa</li> <li>• To demonstrate the African narratives of poem, prose, drama, and novel</li> <li>• To explore regarding the economic and political standards of Africa</li> <li>• To enhance the colonial and post-colonial periods of Africa</li> </ul>

1521	PHS	CMPE31	Methods in Physical Education	<ul style="list-style-type: none"> <li>• Understand the meaning, scope and nature of psychology and sociology of physical education and sports.</li> <li>• analyse the factors which affect the learning process, role of perception in physical education and sports.</li> <li>• analyse the role of motivation in physical education and sports and</li> <li>• Interpret the sports and social problem, behavior of sportsmen and spectators and leadership through physical education and sports.</li> <li>• To Know about the Autogenic Training</li> </ul>
		CAPE31	Theories of Games -II - Allied III	<ul style="list-style-type: none"> <li>• The pass out would be oriented with the rules and regulations of the chosen game.</li> <li>• The pass out would be able to lay-out and mark the dimensions of the court.</li> <li>• Students would be able to organize the concerned sports event and officiate in it.</li> <li>• Students would be oriented in the art of coaching the sports team</li> </ul>
		CSPE31	Principles of Sports Training - Skill based	<ul style="list-style-type: none"> <li>• The learners will be able to identify the fundamental concepts, theories and principles of human body training related to sports performance.</li> <li>• The learners will be able to demonstrate the skills to train different fitness components and related planning.</li> <li>• The learners will be able to understand the organization to achieve high performance in sports.</li> </ul>
		CMPEP3	Major Pratical - III - Badminton, Ball Badminton & Tennis	<ul style="list-style-type: none"> <li>• The pass out would be oriented with the rules and regulations of the chosen game.</li> <li>• The pass out would be able to lay-out and mark the dimensions of the court.</li> <li>• Students would be able to organize the concerned sports event and officiate in it.</li> <li>• Students would be oriented in the art of coaching the sports team</li> </ul>

1301	B.Com	CMCO32	Business Mathematics	<ul style="list-style-type: none"> <li>• Students will get an in-depth knowledge in Number System and linear, quadratic equations. They will come to know the formation of quadratic equations and how to solve these equations.</li> <li>• Students will understand some basic definitions and laws of Indices. They will acquire knowledge in common logarithms and their applications.</li> <li>• Students will get skill in Analytical geometry and their applications.</li> <li>• Students will come to know the definition of matrix and their types. They will be able to find adjoint and inverse of a matrix.</li> <li>• Students will understand the business arithmetic problems. They will be able to find the solutions of day today life.</li> </ul>
		CACO31	Company Law	<ul style="list-style-type: none"> <li>• To understand the basic concepts in companies act and the procedure followed at the time of issuing of financial instruments to the public.</li> <li>• To know the varies kinds of shares and securities issued to the public</li> <li>• To know the powers, duties and responsibilities of managerial personnel</li> <li>• To know the different types of meeting, minutes of the meeting procedures etc.</li> <li>• To know the different mode of winding up of companies</li> </ul>
		CNHI31	History: Freedom movement in India	<ul style="list-style-type: none"> <li>• Learn about the birth of Indian national congress</li> <li>• Knowledge about the non co - operation movement.</li> <li>• It explains about the poorna swaraj resolution.</li> <li>• It helps us to understand the round table conferences.</li> <li>• Understand the functions of independence Act of 1947.</li> </ul>

		CACOPL	COMPUTER APPLICATION	<ul style="list-style-type: none"> <li>• Learn about the basics of Computers like IPO cycle, components, hardware and software, Operating system</li> <li>• Know about e-Commerce and e-Business</li> <li>• Understand about the consumer oriented e-commerce applications</li> <li>• Know the conceptual framework of Electronic Data Interchange</li> <li>• Appreciate the E-marketing and E-advertising techniques</li> </ul>
1303	Corp	CMCR32	SECRETARIAL PRACTICE	<ul style="list-style-type: none"> <li>• Understand the nature of duties of responsibilities of secretary.</li> <li>• Develop essential skills in performing secretarial tasks.</li> <li>• Understand the forms of organization structure.</li> <li>• Develop skill in handling office machines and equipments.</li> </ul>
2301	M.Com	ZKCM31	Advanced Corporate Accounting	<ul style="list-style-type: none"> <li>• Learn advanced problems on Issue, Forfeiture and Redemption of shares and Debentures, underwriting, Valuation of Goodwill and shares</li> <li>• Know about Amalgamation, Absorption and Reconstruction of Companies</li> <li>• Acquire knowledge on Final Accounts of Companies, Liquidators final statement and Accounts of Holding Companies</li> <li>• Create an idea about Banking and Insurance Companies and Double Account System</li> <li>• Learn about meaning, objectives and benefits of Accounting Standards, Accounting Standards Board of India, Accounting Standards issued by the Institute of Chartered Accountants of India, International Financial Reporting Standards, its benefits and scenario in India</li> </ul>

		ZKCM32	Taxation and Tax planning	<ul style="list-style-type: none"> <li>• Learn about basics of Income tax act, residential status of assessee, incidence of tax and exempted income</li> <li>• Know about computation of taxable income under heads of Salary, House Property, Business, Capital Gains and Other sources</li> <li>• Acquaint with provisions of Clubbing of Income, set off &amp; carry forward of losses, deductions from Gross Total Income and calculation of tax liability</li> <li>• Learn about tax planning and tax management of individuals, Hindu Undivided Family and Association of Persons</li> <li>• Gather idea about Income</li> </ul>
		ZKCM33	Computerised Accounting with Tally	<ul style="list-style-type: none"> <li>• Introducing basic concepts on Tally like Screen Components, company creation, ledger and voucher creation, Inventory vouchers, stock groups and categories, Cost categories and centers. Also know about Point of Sales, Trial Balance and Final accounts</li> <li>• Learn the concept of Value Added tax, computation, Classification, ledger and voucher creation, input credit adjustment for capital goods and rules relating to composite dealer</li> <li>• Know about Tax Deducted at Source, Tax Collected at Source and Service Tax</li> <li>• Acquaint with concept of Excise Dealer and Bank Reconciliation statement</li> <li>• Learn about Payroll by creating pay heads, employee groups, pay slip, payroll statement and deduction like PF and ESI</li> <li>• Apart from theoretical learning, the students will also appear for Practical examination</li> </ul>

		ZKCM34	Human Resource Management	<ul style="list-style-type: none"> <li>• Learn about meaning, definition, need for Human Resource Management, its trends and role of HR managers</li> <li>• Conceptual understanding of Job Design, Job Analysis, Job description, job specification, recruitment, selection procedure, types of tests, interviews and qualities of a successful interviewer</li> <li>• Know about meaning, importance, benefits and need for training and assessment methods. Objectives of management development</li> <li>• Acquaint with Job Evaluation, Salary Administration, factors affecting wage levels, Fringe Benefits, its objectives and types</li> <li>• Understand the meaning, characteristics, objectives, functions and conditions of Industrial Relations. Know about meaning, characteristics and functions of trade unions, learn about collective bargaining, its characteristics, need, principles and importance. Learn about grievance and discipline procedure</li> </ul>
		ZKCM35	Business Research Methods	<ul style="list-style-type: none"> <li>• To provide basic knowledge about the concept, tools and techniques of business research</li> <li>• To help develop the skills of students to be able to apply research techniques for business decision making</li> <li>• To teach the preparation of questionnaire and Interview Schedule and formulate &amp; Test the Hypothesis</li> <li>• To help adopt appropriate statistical tools for drawing Inference</li> <li>• To teach students as to write a Research Report</li> </ul>
		ZKCE31	Consumer Rights & Education	<ul style="list-style-type: none"> <li>• To give the students a clear understanding of the terms Consumers, Consumerism, Consumer movement</li> <li>• To give an understanding of the provisions of the Consumer Protection Act</li> <li>• To know the methods of creating awareness and education</li> <li>• To familiarize students on various aspects of consumer related Legislations and Organizations</li> <li>• To make the students aware about the rights and responsibilities of consumers</li> </ul>

1401	BCA	CMCA31	JAVA	<ul style="list-style-type: none"> <li>• To get knowledge of the structure and model of the Java programming language.</li> <li>• To understand how to design applications with threads in Java.</li> <li>• To get Knowledge for developing software in the Java programming language.</li> <li>• To learn how to use exception handling in Java applications.</li> <li>• To use the Java programming language for various programming technologies.</li> </ul>
		CMCA32	FIN A/C	
		CSCA31	PHP	<ul style="list-style-type: none"> <li>• To provide the necessary knowledge on basics of PHP.</li> <li>• To design and develop dynamic, database-driven web applications using PHP version.</li> <li>• To get an experience on various web application development techniques.</li> <li>• To learn the necessary concepts for working with the files using PHP.</li> <li>• To get a knowledge on OOPS with PHP.</li> </ul>
		CACA31	DATA STRUCTURE	<ul style="list-style-type: none"> <li>• Implement the concept of Stack and Queues</li> <li>• How Binary Search Trees Works in c++ programming</li> <li>• Understanding of Singly Linked List and Chains</li> <li>• Implementation of Graph and its applications</li> <li>• Study of verity of sorting and its uses</li> </ul>
IV SEMESTER				
		C1TL41	Tamil	<p>1. சங்க காலத் தமிழின் பண்பாடு, கலாச்சாரங்களை அறியச் செய்தல். கவிதைக் களங்களின் அழகியலை உணர்த்தி தமிழ் மொழியின் முக்கியத்துவத்தை அறியச் செய்தல்.</p> <p>2. இலக்கணங்களையும், எழுத்துகளின் வகைகளையும், புணர்ச்சி நிலைகளையும் அறியச் செய்தல்.</p>
		C2EN41	English	<p>* Get acquainted with short stories in English and to make them enjoy and appreciate the pieces.</p> <p>*students' enhance their knowledge in grammar and its usages.</p>

		CNCS41	HTML	<ul style="list-style-type: none"> <li>• Insert a graphic within a web page.</li> <li>• Create a link within a web page.</li> <li>• Create a table within a web page.</li> <li>• Insert the heading levels within a web page.</li> <li>• Insert ordered and unordered lists within a web page.</li> </ul>
		CNBO41	Food and Nutrition	<ul style="list-style-type: none"> <li>• Identifying foods and their nutritional properties</li> <li>• Understanding the effects of food processing trends</li> <li>• Revising food properties, especially sensory characteristics</li> <li>• Understanding the structure and functioning of the human body</li> <li>• Learning the importance of a balanced diet and meal planning</li> </ul>
1521&1301	<i>PHS &amp; B.Com</i>	CNEC41	Economics For competitive Examinations - II	<ul style="list-style-type: none"> <li>• Understand the basic economic concepts.</li> <li>• Its helps us to know the theories of consumption.</li> <li>• Knowledge about the factors of production.</li> <li>• Learn about the price determination under various market conditions.</li> <li>• It gives ideas an investment opportunity.</li> </ul>
		CNHI41	Indian polity	<ul style="list-style-type: none"> <li>• To enable the learners aware of the rights and duties of Indian citizen.</li> <li>• To enhance their role as enlightened citizens.</li> <li>• To understand the importance of centre – state relations.</li> <li>• To focus more attention on constitutional amendments.</li> </ul>



1103&1104	B.A. Economics	CMEC41	Basic Mathematics for Economics - II	<ul style="list-style-type: none"> <li>• Understand the meaning and rules of derivatives, application of derivatives in economics.</li> <li>• Student should know about partial derivatives and its application in economics.</li> <li>• Study the meaning and types of integrals, application of integrals in terms of consumer's surplus and producer's surplus.</li> <li>• Study the meaning, types and operations of matrices.</li> <li>• Study the applications of matrices in input-output analysis, Linear programming</li> </ul>
		CMEC42	International Economics - II	<ul style="list-style-type: none"> <li>• International trade and its theories - creates awareness among the students about the global economy.</li> <li>• The students can learn about the terms of trade and gains from the international trade.</li> <li>• Balance of payments and trade policy – under this unit, Students can understand the procedures of the imports and exports with trade policies.</li> <li>• This chapter clearly shows the need of international monetary systems and financial institutions.</li> <li>• International economic relations and agreements are dealt with terms and conditions of general agreements among the global institutions.</li> </ul>
		CNCO41	Financial Accounting	
		CMBO42	Fitness and wellness	<ul style="list-style-type: none"> <li>• Understand the essentials of lifelong wellness</li> <li>• Understand the essentials of Physical fitness</li> <li>• Overcome fitness barriers and involve in physical activity</li> <li>• Know the procedure to assess the fitness</li> </ul>

		CSEC41	Human resources Development	<ul style="list-style-type: none"> <li>• Understand the role and importance of Human Resource Management.</li> <li>• Learn about the evaluation of employee recruitment and selection plan and process.</li> <li>• Understand to develop the employability skills for the work place.</li> <li>• Demonstrate knowledge of human behavior in organization and the role of motivation strategies, including motivation theories.</li> <li>• Knowledge about the different method of performance evaluation.</li> </ul>
		CAEC41	Agricultural Economics	<ul style="list-style-type: none"> <li>• Understand the Relevance of Agricultural Economics</li> <li>• Review the role of Agricultural Labour</li> <li>• Analyze the trends in Agricultural Prices and the importance of Finance in the Agricultural Sector</li> <li>• Evaluate the importance of Marketing in Agriculture</li> <li>• Identify the impact of Globalisation and WTO on Indian Agriculture</li> </ul>
2101	M.A. Economics	ZESM42	Public finance	<ul style="list-style-type: none"> <li>• Secure adjustments in allocation of resources.</li> <li>• Secure adjustment in the distribution income and wealth with the help of revenue and expenditure process of the government.</li> <li>• Secure economic stabilization or to remove economic fluctuations and distortions in the economy.</li> <li>• Accelerate economic development.</li> <li>• Secure distribution justice.</li> </ul>
		ZESM43	ENVIRONMENTAL ECONOMICS	<ul style="list-style-type: none"> <li>• Acquire the knowledge of Environmental Economics.</li> <li>• Understand the approach of optimality of resources allocation</li> <li>• Acquire the knowledge of resource conservation.</li> <li>• Understand the concept and forms of pollution.</li> <li>• Acquire the knowledge on economic policies related to environmental protection</li> </ul>

		ZESM44	Health Economics	<ul style="list-style-type: none"> <li>• Understand the meaning of health economics.</li> <li>• Should know how to study theory of health economics.</li> <li>• Learn about public expenditure on health.</li> <li>• Learn about public expenditure on health</li> <li>• Knowledge about expenditure and effects on health.</li> </ul>
		ZESM45	Labour Economics	<ul style="list-style-type: none"> <li>• To study the characteristics of labour.</li> <li>• Understand the concept of trade unions.</li> <li>• Acquire the knowledge of workers participation in management.</li> <li>• Learn about labour welfare.</li> <li>• Understand the concept of social security, social insurance and social assistance</li> </ul>
1517	B.sc . Mathematics	CMMA41	Abstract Algebra - I	<ul style="list-style-type: none"> <li>• Students will be able to know Groups and Examples, Subgroups, Order of an elements.</li> <li>• Students will know to understand cyclic groups, cosets, partition of a group by cosets.</li> <li>• Students will know normal subgroups, quotient groups, homomorphism, isomorphisms.</li> <li>• Students will be able to understand Rings and examples, types of rings, ideals.</li> <li>• Students will know polynomial rings, unit factorization domain.</li> </ul>
		CAST21	Statistics II	<ul style="list-style-type: none"> <li>• To understand Commodity Reversal test, Time reversal test and Circular test.</li> <li>• To know about difference of proportions and difference of means.</li> <li>• Acquires knowledge about Tests based on Chi-Square distribution and goodness of fit.</li> <li>• To know about Randomized block design, Latin square.</li> <li>• Acquires knowledge about various Chart like Control chart , Mean chart, P-chart, Range Chart and Product control.</li> </ul>

		CSMA41	Trigonometry, Fourier series and Laplace Transforms	<ul style="list-style-type: none"> <li>• Students will be able to discuss various applications of DeMoivre's theorem such as expansions of <math>\sin nx</math>, <math>\cos nx</math>, <math>\tan nx</math> and expansions of <math>\sin nx</math> and <math>\cos nx</math>.</li> <li>• Students will come to know Hyperbolic functions, inverse hyperbolic functions and the relations between them. They can find the sum of different types of trigonometrical series finite or infinite using C+iS method.</li> <li>• Students will understand the Laplace Transform and its existence. They will be able to find the Laplace transform and Inverse Laplace Transform of a function.</li> <li>• They will be able to use the method of Laplace transforms to solve initial value problems for linear differential equations with constant coefficients and simultaneous equations</li> </ul>
2515	M.Sc.Mathematics	ZMAM43	Functional Analysis	<ul style="list-style-type: none"> <li>• Students will learn about Banach Spaces. They will be able to do examples of Banach spaces. They will know continuous linear transformations. They will learn Hahn Banach Theorem and natural imbedding of <math>N</math> into <math>N^*</math></li> <li>• They will learn Open mapping theorem. They will know conjugate operator. They will study about Hilbert Spaces. They will learn simple properties and orthogonal complements.</li> <li>• They will learn about orthonormal sets. They will know conjugate space. They will know to find the adjoint operator. They will learn self adjoint operator.</li> <li>• They will learn normal and unitary operators. They will study about finite dimensional spectral theory. They will know to find the determinants and spectrum of an operator. They will learn the spectral theorem.</li> <li>• They will learn general preliminaries on Banach algebras. They will study regular and singular elements. They will learn about topological divisors of zero. They will know the formula for spectral radius. They will learn radical and semi simplicity.</li> </ul>

		ZMAM42	Complex Analysis	<ul style="list-style-type: none"> <li>• Students gets introduction about analytic function and studies Abel's Limit theorem.</li> <li>• To understand conformal mappings and linear transformations.</li> <li>• To learn about Cauchy's theorem for rectangle and Cauchy's theorem in disc, Cauchy's integral formula .</li> <li>• Acquires knowledge about higher derivatives and uses it in Taylor's theorem and local mapping.</li> <li>• To understand Calculus of Residue's and the Residue's theorem.</li> </ul>
		ZMAM41	Advanced Algebra - II	<ul style="list-style-type: none"> <li>• Students will know the different types of rings and ideals.</li> <li>• Students will know the different types of Euclidean rings and they know how to give the examples for the Euclidean rings.</li> <li>• Students will be able to know to define the polynomial rings interms of rings.</li> <li>• Students will know how to define the different types of radicals of rings interms of rings.</li> <li>• Students will be able to know the different types of rings such as Quasi regular – J – semi-simple and direct sum of rings.</li> </ul>
		ZMAM44	Topology - II	<ul style="list-style-type: none"> <li>• Students are able to know about Topological Spaces and subspace topology</li> <li>• Studied about the Product Topology and Closed sets.</li> <li>• Acquired knowledge about continuous functions.</li> <li>• Gets knowledge about connected spaces and compact spaces.</li> <li>• It extends to limit point compactness and local compactness.</li> </ul>
1522	B.Sc.Physics	CMPH41	Heat & thermodynamics	<ul style="list-style-type: none"> <li>• Learn experimental methods to determine the transmission of heat.</li> <li>• Understand the laws of thermodynamics and their applications.</li> <li>• Analze maxwell's thermo dynamical relations and their applications</li> </ul>

		CACH21	Allied Chemistry	<ul style="list-style-type: none"> <li>• Learn the chemistry of basic aromatic compounds.</li> <li>• Understand the nuclear particles and few nuclear reactions</li> <li>• Know about carbohydrates, amino acids, proteins and nucleic acid.</li> <li>• Study about fuels, fertilizers, cement and glass.</li> <li>• Know about some common diseases and the drugs used.</li> </ul>
		CSPH41	Maintenance of Electronic appliances	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Resistance, Capacitance and Inductance and also how to measure the value of resistance, capacitance values.</li> <li>• Get the basic knowledge about Transformer and how is it working and testing the transformers and also how to construct the simple transformers and identify to solve their losses</li> <li>• Get knowledge about the home appliances like Grinder, Washing machine and oven</li> <li>• Know how to electrical wiring in home and also industries.</li> <li>• Get knowledge about how to protect the electrical circuit and how to solve any problems in basic circuit connections.</li> </ul>

2521	M.Sc.Physics	ZPHM41	Quantum Mechanics - II	<ul style="list-style-type: none"> <li>• Analyze the different stationary state approximation methods and apply them to solve the Schrodinger equation for various quantum systems</li> <li>• Understand the concept of Scattering theory and evaluate scattering cross-section, scattering amplitude by using Born approximation and partial wave analysis methods</li> <li>• Distinguish between bosons and fermions and develop the Pauli's exclusion principle and also explain the theory of identical particles and solve the dynamics of two electron atom using the idea of identical particles.</li> <li>• Establish the Schrodinger and Heisenberg formulations of time development and their applications and explain symmetries in Quantum mechanics and also derive Wigner – Eckart theorem</li> <li>• Discuss the central concept and principles of relativistic quantum mechanics and explain electromagnetic potentials and derive Dirac equation and Dirac matrices</li> </ul>
		ZPHM42	Nuclear and Particle physics	<ul style="list-style-type: none"> <li>• Recall the basic knowledge about nucleus, also the characteristics of nuclear force. Understand the ground state properties of deuteron behaviour at ground and excited states, Apply deuteron physics and the Nucleon-Nucleon scattering for explaining the nuclear forces</li> <li>• Acquire knowledge about nuclear decay processes and their outcomes. Grasp knowledge about Nuclear Fission and their characteristics using selection rules and apply, evaluate it to cluster decay.</li> <li>• Gain knowledge about various nuclear models and understand the corresponding nuclear potentials and its dependence on the couplings are learned and can be able to calculate and analyze masses of different nuclei.</li> <li>• Understand, apply and analyze various aspects of nuclear reactions in view of compound nuclear dynamics and the energy released</li> <li>• understand the basic forces in nature, classification of particles, conservation laws and quark models and analyze allowed and forbidden reactions</li> </ul>

		ZPHM43	Research Methodology	<ul style="list-style-type: none"> <li>• Analyze the different stationary state approximation methods and apply them to solve the Schrodinger equation for various quantum systems</li> <li>• Understand the concept of Scattering theory and evaluate scattering cross-section, scattering amplitude by using Born approximation and partial wave analysis methods</li> <li>• Distinguish between bosons and fermions and develop the Pauli's exclusion principle and also explain the theory of identical particles and solve the dynamics of two electron atom using the idea of identical particles.</li> <li>• Establish the Schrodinger and Heisenberg formulations of time development and their applications and explain symmetries in Quantum mechanics and also derive Wigner – Eckart theorem</li> <li>• Discuss the central concept and principles of relativistic quantum mechanics and explain electromagnetic potentials and derive Dirac equation and Dirac matrices</li> </ul>
		ZPHE44	Renewable energy Sources - Elective	<ul style="list-style-type: none"> <li>• Describe the different types of energy sources in India and world as well</li> <li>• Explain solar cells and biomass conversion</li> <li>• Enumerate the theory of geothermal and tidal energy conversion</li> <li>• Differentiate thermoelectric and thermionic energy sources</li> <li>• Explore the applications of chemical energy sources</li> </ul>
1504	Bsc Chemistry	CMCH41	Inorganic chemistry- II	<ul style="list-style-type: none"> <li>• To study the theories in coordination chemistry</li> <li>• To study the chemistry of metal carbonyls</li> </ul> <p>To understand the role of metal ions in biological systems</p> <ul style="list-style-type: none"> <li>• To study the basic principles of photoinorganic chemistry</li> </ul>



		CSCH42	Industrial chemistry	<ul style="list-style-type: none"> <li>• To gain knowledge about systems of units and conversion factor</li> <li>• To understand utilities in chemical industries</li> <li>• To know the severity of corrosion and methods of preventing it</li> <li>• To study the industrial process of silicate industry</li> <li>• To acquire the knowledge about the unit process</li> </ul>
		CAPH21	Allied Physics - II	<ul style="list-style-type: none"> <li>• Basic electricity laws and their directional conventions are emphasized.</li> <li>• Elemental theory of magnetism, the properties of various magnetic materials and introduction about electromagnetism are underscored.</li> <li>• The properties and working principles of electronic components such as diodes, transistors and electronic devices such as amplifier, oscillators are given. Number systems and logical circuits are discussed.</li> <li>• A study about atoms, nuclei and basic nuclear reactions are given.</li> </ul>
1527	B.Sc Zoology	CMZO41	Genetics	<ul style="list-style-type: none"> <li>• To gain knowledge of Mendelian traits of human traits</li> <li>• Explain the importance of genetics and welfare of human society</li> <li>• Develop the ability to think critically, analyze and use the information gained to solve problems related to genetics</li> </ul>
		CSZO42	Vermitechnology	<ul style="list-style-type: none"> <li>• The detailed classification, Morphology, Anatomy and Physiology of earthworm.</li> <li>• Understanding the cultural techniques of different species of earthworms.</li> <li>• The knowledge about vermicomposting.</li> <li>• The importance of earthworm is solid waste management and its economy.</li> <li>• The cooperation and supporting role of Government and Non-Governmental organizations towards vermitechnology.</li> </ul>

		CABO21	Embroyology, Plant anatomy, Physiology	<ul style="list-style-type: none"> <li>• Knowledge regarding anatomy equipped the students to identify different types of tissues and make them able to correlate their physiology in a better away.</li> <li>• To understand how different plant tissue evolve and modify their structure and functions with respect to their environment.</li> <li>• Knowledge regarding embryology make them understand how reproduction play significant role in defining population structure, natural diversity and sustainability of ecosystem in a better way</li> </ul>
		CNPH41	Basic physics - II	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Nucleus and their properties and also about Radioactivity like <math>\alpha</math>, <math>\beta</math>, <math>\gamma</math> rays and their properties</li> <li>• Get the basic knowledge about Magnets and their types and properties and also Solids and their characterization</li> <li>• Get basic knowledge about Light like LASER and their properties and types.</li> <li>• Get the basic knowledge about Theory of Relativity</li> <li>• Get the fundamental knowledge Number systems in Digital electronics</li> </ul>
1506	Computer Science	CMCS41	Data structure	<ul style="list-style-type: none"> <li>• Implement the concept of Stack and Queues</li> <li>• How Binary Search Trees Works in c++ programming</li> <li>• Understanding of Singly Linked List and Chains</li> <li>• Implementation of Graph and its applications</li> <li>• Study of verity of sorting and its uses</li> </ul>
		CACS41	Machine Learning Techniques - ALLIED	<ul style="list-style-type: none"> <li>• To introduce students to the basic concepts of Machine Learning.</li> <li>• To acquire various techniques in Machine learning.</li> <li>• To have a thorough understanding of the Supervised and Unsupervised learning techniques</li> <li>• To study the probability based learning techniques</li> <li>• To understand graphical models of machine learning algorithms</li> </ul>

		CSCS41	Computer Architecture	<ul style="list-style-type: none"> <li>• Understand the basics of Computers and its Organization</li> <li>• Know the various Technologies behind the Computer Architecture</li> <li>• An ability to apply knowledge about hardware implementation and algorithms</li> <li>• To evaluate various input output organisations</li> <li>• To develop the architecture using various memories</li> </ul>
		CNMA41	Mathematics for Competitive Exams - II	<ul style="list-style-type: none"> <li>• Students will be able to know that the different types of Interest namely Simple Interest and Compound Interest.</li> <li>• Students will know that Time and Work which are useful in the competitive examinations.</li> <li>• Students will be able to understand that Time and Distance. This is also used in the Competitive Examinations. This is very useful to the Students.</li> <li>• Students will study about chain rule which contains cost price, selling price, loss and profit and proportion and ratio. Students admire these concepts very much.</li> <li>• Students will know that the time will be taken to fill the tank through pipe. It is very useful to the students in the competitive examinations.</li> </ul>
		CNPH41	Basic physics - II	<ul style="list-style-type: none"> <li>• Get the fundamental knowledge about Nucleus and their properties and also about Radioactivity like <math>\alpha</math>, <math>\beta</math>, <math>\gamma</math> rays and their properties</li> <li>• Get the basic knowledge about Magnets and their types and properties and also Solids and their characterization</li> <li>• Get basic knowledge about Light like LASER and their properties and types.</li> <li>• Get the basic knowledge about Theory of Relativity</li> <li>• Get the fundamental knowledge Number systems in Digital electronics</li> </ul>

1521	PHS	CMPE41	Organisation and Administration in Physical education	<ul style="list-style-type: none"> <li>• Understand the meaning of methods in physical education; analyse the factors influencing methods;</li> <li>• Understand the presentation technique and teaching aids;</li> <li>• Study about the lesson plan in physical education;</li> <li>• Understand the methods of teaching physical activities</li> <li>• Enable the students to know the procedures in conducting the tournaments in league and knock out basis and to study about games tours, incentives, awards and classifications.</li> </ul>
		CSPE41	Sports Psychology and Sociology	<ul style="list-style-type: none"> <li>• Understand the meaning, scope and nature of psychology and sociology of physical education and sports.</li> <li>• Analyse the factors which affect the learning process, role of perception in physical education and sports.</li> <li>• Analyse the role of motivation in physical education and sports and</li> <li>• Interpret the sports and social problem, behavior of sportsmen and spectators and leadership through physical education and sports.</li> <li>• To Know about the Autogenic Training</li> </ul>
		CAPE41	Sports Biomechanics and Kinesiology	<ul style="list-style-type: none"> <li>• Understand the meaning, aim and objectives and importance of kinesiology and bio mechanics for Physical Education and Sports</li> <li>• Acquire the fundamental concepts of kinesiology for Physical Education and Sports</li> <li>• Acquire knowledge of various types of motions and application of motion in games and sports</li> <li>• Interpret the principles of Biomechanics with suitable examples</li> <li>• Understand the levers, equilibrium and centre of gravity</li> </ul>

1301	B.Com	CMCO41	Quantitative techniques	<ul style="list-style-type: none"> <li>• To analyse the practical applications of Analytical Geometry in business field.</li> <li>• To know about matrix algebra, scalar multiplication and also to find out the inverse of a matrix.</li> <li>• To know the measures of central tendency and to apply to measure averages.</li> <li>• To apply the tools on measures of dispersion that are useful for estimating variations.</li> <li>• To apply the various methods for calculating correlation coefficient.</li> </ul>
		CMCO42	Logistics Management	<ul style="list-style-type: none"> <li>• To understand the role of logistic management in growth of business</li> <li>• To understand the functional areas in logistics</li> <li>• Estimate strategy and components in customer service</li> <li>• Manipulate logistics information system</li> <li>• Focus warehouse and its application</li> </ul> <p>CO5 [K5]: justify the transportation and its application</p>
		CSCO42	Entrepreneurship Development	<ul style="list-style-type: none"> <li>• To develop and strengthen the entrepreneurial, quality among the students.</li> <li>• To know the source of help and support available for starting a small scale industry.</li> <li>• To provide knowledge about writing a new project proposal.</li> <li>• To Nurture the desire of starting a new business among the students.</li> </ul>
2301	M.Com	ZKCM41	Applied Costing	<ul style="list-style-type: none"> <li>• To familiarise the students with the various cost concepts, and elements of cost</li> <li>• To enable the students to prepare cost sheets</li> <li>• To apply different methods and techniques of cost control</li> <li>• To gain knowledge of different methods of payment of wages and incentives</li> <li>• To acquaint the students in the application of Marginal costing for Business decision making</li> </ul>

		ZKCM42	Indirect Taxation	<ul style="list-style-type: none"> <li>• To provide a basic knowledge about GST.</li> <li>• To expose the students with the latest development in GST.</li> <li>• To train the students to calculate GST</li> <li>• To assist in indirect tax planning</li> <li>• To develop an understanding on customs law</li> </ul>
		ZKCM43	E Commerce	<ul style="list-style-type: none"> <li>• To buildup basic knowledge on electronic business.</li> <li>• To educate students on online marketing.</li> <li>• To make e commerce and internet marketing familiar with students.</li> <li>• To make the students to devise marketing strategies for concerns engaged in ecommerce.</li> <li>• To understand the current status of e-business</li> </ul>
		ZKCM44	Financial Markets and Institutions	<ul style="list-style-type: none"> <li>• To introduce the basic concepts of financial markets</li> <li>• To impart knowledge on the working of commercial paper market, including bill market</li> <li>• To teach the students on the evolution of capital market</li> <li>• To acquaint the students with the knowledge on the functioning of various financial institutions such as NABARD, EXIM bank, etc</li> <li>• To teach students on the working of various credit rating agencies such as CRISIL, etc</li> </ul>
1105	B.A ENGLISH	CMEN41	British Fiction	<ul style="list-style-type: none"> <li>• To familiarize the students with the evolution of the genre of fiction in Britain</li> <li>• To enhance vocabulary and usage of English through reading</li> <li>• To develop their reading ability through various fictions</li> <li>• To enrich the power of character analysing</li> <li>• To mould them in solving the critical circumstances</li> </ul>

		CMEN42	Indian English Literature II	<ul style="list-style-type: none"> <li>• To give a clear and systemic understanding of the national changes and developments and that influenced british literature.</li> <li>• To familiarize the students about the historical movements that influenced the transformation of the literary tastes and standards.</li> <li>• To enhance apprciation and enjoyment of literature and language.</li> <li>• To close reading of authors, their age, etc.,</li> <li>• To develop interest in and appreciation of literature</li> </ul>
		CMEN43	American Literature -II	<ul style="list-style-type: none"> <li>• To acquaint the students with different literary era, movements and authors relating to American history and literature.</li> <li>• To enhance communicative and creative skills through literature.</li> </ul>
		CAEN41	Language and Linguistics	<ul style="list-style-type: none"> <li>• To develop the knowledge of grammar</li> <li>• To make undersatand the meaning of english passage given.</li> <li>• To enhance the writing skilld like letter writing</li> <li>• To enrich the reading capability</li> <li>• To grasp and compose poems, essays, etc...</li> </ul>
1301	B.COM	CNEC42	ECONOMIC DEVELOPMENT OF INDIA	<ul style="list-style-type: none"> <li>• Understand the Structural change in Indian economy</li> <li>• Assess the Performance of agricultural and Industrial sector</li> <li>• Ability to learn the trends in the economy</li> <li>• Understand the Impact of Poverty</li> <li>• Identify Social Issues like Unemployment, Gender disparities</li> </ul>
		CACOP2	APPLICATION OF TALLY IN ACCOUNTING	<ul style="list-style-type: none"> <li>• To develop the computerised knowledge in accounting.</li> <li>• To impart the basic principles and concepts of computerized accounting.</li> <li>• To gain knowledge on the use and application of tally.</li> <li>• To learn about the concept of vouchers.</li> <li>• To create company in tally.</li> <li>• To create knowledge of inventory accounting.</li> </ul>

		C5EA41	EXTENSION ACTIVITIES	<ul style="list-style-type: none"> <li>• Express themselves aesthetically and/or creatively while making works of art and /or design.</li> <li>• Identify visual strengths and weaknesses to promote aesthetic resolution and clear intentions in works of art and/or design.</li> <li>• Understand themselves in relation to their community.</li> <li>• Acquire leadership qualities and democratic attitude.</li> </ul>
1401	B.C.A	CMCA41	Python	<ul style="list-style-type: none"> <li>• To understand the Menu Driven Program works</li> <li>• Implement the curve of sine and cosine</li> <li>• How to create series in Python</li> <li>• How to write program for matrix</li> <li>• How to create CSV Files</li> </ul>
		CMCA42	Software Engineering	<ul style="list-style-type: none"> <li>• Concept of Fundamentals of Software Engineering</li> <li>• Understanding requirement analysis.</li> <li>• Function oriented Software Design</li> <li>• Developing user interface design</li> <li>• Knowledge of Software Quality Management.</li> </ul>
		CSCA41	Microprocessor	<ul style="list-style-type: none"> <li>• To understand assembly language program.</li> <li>• To develop assembly language program from the basic.</li> <li>• To learning about the different microprocessor and components.</li> </ul>
		CACA41	Tally	<ul style="list-style-type: none"> <li>• To maintaining account through the tally software.</li> <li>• To understanding company creation, ledger, journal and report through the tally software.</li> </ul>



		CNCO42	Human Rights	<ul style="list-style-type: none"> <li>• Demonstrate a good understanding of the provisions under the Constitution of India dealing with human rights.</li> <li>• Display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalized and vulnerable sections.</li> <li>• Demonstrate a good understanding of the practical application of human rights law to specific human rights problems in India.</li> <li>• Analyze complex human rights problems and apply relevant provisions of human rights law in India to a hypothetical situation/case study and a theoretical knowledge of the underpinnings of the human rights framework in India, its operation and issues associated with its implementation.</li> </ul>
1506	COMPUTER SC.	CNCO42	Human Rights	<ul style="list-style-type: none"> <li>• Demonstrate a good understanding of the provisions under the Constitution of India dealing with human rights.</li> <li>• Display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalized and vulnerable sections.</li> <li>• Demonstrate a good understanding of the practical application of human rights law to specific human rights problems in India.</li> <li>• Analyze complex human rights problems and apply relevant provisions of human rights law in India to a hypothetical situation/case study and a theoretical knowledge of the underpinnings of the human rights framework in India, its operation and issues associated with its implementation.</li> </ul>
		CACSP4	Practical-Python	<ul style="list-style-type: none"> <li>• To understand the basic concepts in python</li> <li>• To understand the concepts and develop python programs</li> <li>• To acquire the knowledge about menu driven programs</li> <li>• To improve the knowledge in CSV files</li> <li>• To understand the functions of python</li> </ul>

		CMCSP4	Data Structures lab	<ul style="list-style-type: none"> <li>• To develop skills in implementing sort and search data structure algorithms</li> <li>• To implement queue and stack techniques</li> <li>• To design tree traversals</li> <li>• To implement binary search tree</li> <li>• To Compile sorting algorithms</li> </ul>
		C5EA41	Extension Activity	<ul style="list-style-type: none"> <li>• Express themselves aesthetically and/or creatively while making works of art and /or design.</li> <li>• Identify visual strengths and weaknesses to promote aesthetic resolution and clear intentions in works of art and/or design.</li> <li>• Understand themselves in relation to their community.</li> <li>• Acquire leadership qualities and democratic attitude.</li> </ul>
<b>V SEMESTER</b>				
		ACSB5A	Personality Development	<ul style="list-style-type: none"> <li>• Students will come to know the meaning, definition, determinants, Major traits of personality. They will also know the theories of personality.</li> <li>• Students will get an in-depth knowledge in Personality concepts. They will also know the meaning and process of perceptions. They will get an idea about factors influencing perception, errors in perception, attitudes and factors influencing attitudes.</li> <li>• Students will come to know the definition of leadership, leadership styles, theories and qualities of leadership.</li> <li>• Students will acquire an in-depth knowledge in skills. They will also know communication, importance and process of communication, methods of communication, barriers in communication and techniques of effective communication.</li> <li>• Students will be able to face an interview. They will also know to plan an</li> </ul>

1103&1104	B.A. Economics	AMEC51	Macro Economics -I	<ul style="list-style-type: none"> <li>• Understand the meaning of Macro Economics, its Difference and importance</li> <li>• Learn about the National Income, Gross Domestic product, Gross National Product, Net National Product</li> <li>• Macro Economics is very useful for theory of employment opportunities</li> <li>• The student to know the importance and development of consumption Function.</li> <li>• Knowledge of multiplier and Accelerator models</li> </ul>
		AMEC52	Public Finance - I	<ul style="list-style-type: none"> <li>• Secure adjustments in allocation of resources.</li> <li>• Secure adjustment in the distribution income and wealth with the help of revenue and expenditure process of the government.</li> <li>• Secure economic stabilization or to remove economic fluctuations and distortions in the economy.</li> <li>• Accelerate economic development.</li> <li>• Secure distribution justice.</li> </ul>
		AMEC53	Economic Thought	<ul style="list-style-type: none"> <li>• Understand modern economic concept of role of Entrepreneur Innovation, BusinessCycles and Capitalism and Socialism.</li> <li>• Ability to understand about Capital Formation, Disguised UnemploymentImperfectCompetition and Mathematical Economic Analysis</li> <li>• Understand the ideas ofPermanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach</li> <li>• Gain knowledge about the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population - Economics of Growth and Development-Economics of Fast</li> <li>• Understand economic ideas like role of Technological Progress-Poverty - Deficit Financing and Public Expenditure, Human Factor in Economic Growth and Inequality and Concept of Capability</li> </ul>

		AMEC54	Tamilnadu Economy - I	<ul style="list-style-type: none"> <li>• As a student of Economics, one should know the relevance of Regional Economics and its share in the National Economy.</li> <li>• Tamilnadu is one of the industrialised States and a major economic power in South India.</li> <li>• This paper will give an interesting analysis of the occupational structure, the relative shares of the different Sectors in the SDP and the future thrust areas of the State Plan.</li> </ul>
		AEEC5A	Labour Economics	<ul style="list-style-type: none"> <li>• To study the characteristics of labour.</li> <li>• Understand the concept of trade unions.</li> <li>• Acquire the knowledge of workers participation in management.</li> <li>• Learn about labour welfare.</li> <li>• Understand the concept of social security, social insurance and social assistance.</li> </ul>
1517	B.Sc.Mathematics	AMMA51	Linear Algebra - II	<ul style="list-style-type: none"> <li>• Students gets introduction about Vector spaces and Subspaces.</li> <li>• Studied about Linear independence and Basis.</li> <li>• Acquired knowledge about Rank and Nullity</li> <li>• Studied about characteristic equation of a matrix and Cayley-Hamilton theorem.</li> <li>• Gets introduction about Inner Product Spaces and Gram Schmidt orthogonalisation Process.</li> </ul>

		AMMA52	Real analysis	<ul style="list-style-type: none"> <li>• Students will be able to find the given sets are countable (or) not and they can give many examples for metric spaces.</li> <li>• Students will know to define the interior of a given set, and closure, limit points of a given set. They know how to use the above sets to derive some theorems.</li> <li>• Students will be able to find the given function is continuous (or) not. They can understand the different types of continuity.</li> <li>• Students will be able to give the examples using open sets and closed sets for connectedness. They can study about some equivalent conditions for connectedness.</li> <li>• Students will know the different types of compact and give some examples for compactness. Some equivalent condition for compactness and studied the students.</li> </ul>
		AMMA53	Statics	<ul style="list-style-type: none"> <li>• To provide the basic knowledge of equilibrium of a particle</li> <li>• To develop a working knowledge to handle practical problems</li> </ul>
		AMMA54	Trasforms and their Applications	<ul style="list-style-type: none"> <li>• To develop the knowledge of Transformations</li> <li>• To solve the problems connected</li> </ul>
		AEMA5C	Combinatorial Mathematics	<ul style="list-style-type: none"> <li>• Students will learn about the binomial coefficients. They will know permutation. They will be able to understand ordered selection and unordered selection.</li> <li>• They will learn about pairing problems. They will learn to solve pairing within sets and pairing between sets. They will be able to solve optimal Assignment Problems.</li> <li>• They will learn about Recurrence. They will learn Fibonacci type relation using generating function.</li> <li>• They will learn about the Inclusion and exclusion principle and root polynomials.</li> <li>• They will learn about block designs and square block designs.</li> </ul>

		AEMA5D	Operation research - I	<ul style="list-style-type: none"> <li>• To introduce the various techniques of operations research</li> <li>• To make the students solve real life problems in Business Management</li> <li>• To understand different types of LPP</li> </ul>
1522	B.Sc.Physics	AMPH51	Basic Electronics	<ul style="list-style-type: none"> <li>• To understand characterisation of diodes.</li> <li>• Explain application of transistor and amplifiers.</li> <li>• To understand different types of oscillators.</li> <li>• Advanced transistors like FET and MOSFET.</li> <li>• To understand the characteristics of OP-Amp and application.</li> </ul>
		AMPH53	Atomic & Nuclear physics	<ul style="list-style-type: none"> <li>• General properties of atomic nucleus. Why do nuclei emit alpha, beta particles? How do we interpret the special properties of nuclei such as stability.</li> <li>• Knowledge of nuclear decay process.</li> <li>• Understanding the force existing between nucleons and n-p and p-p scattering.</li> <li>• Working principle of nuclear reactors and nuclear interactions.</li> <li>• Classification of elementary particles symmetry.</li> </ul>
		AMPH52	Spectroscopy	<ul style="list-style-type: none"> <li>• It gives an introduction about electromagnetic spectrum, interaction between electromagnetic radiation and matters. Also it deals with atomic and molecular energy levels and electronic transitions.</li> <li>• Microwave spectroscopy details about different types of molecules, molecular rotational motions, energy levels, absorption spectra and selection rules.</li> <li>• Various types of molecular vibrational motions, energy levels, spectra and selection rules are given in the infrared spectroscopy.</li> <li>• Raman spectroscopy gives and understanding of Raman effect, Photoelectric effect, work function and Raman spectra of different types of molecules.</li> <li>• Structural and functional group of chemical compounds and newly synthesised compounds can be determined.</li> </ul>

		AEPH51	Computer Programming in C++	<ul style="list-style-type: none"> <li>• By reading the two given numbers through key board and perform single arithmetic operations.</li> <li>• Testing the validity of any entered character whether it belongs to the alphabetical set or a number or a special character.</li> <li>• Finding the sum of series using loop conditions in C++ programming.</li> <li>• finding the factorial of a number by using function declaration using return statement.</li> <li>• Read a set of numbers from a standard input device and find out the largest number in a given array and sort them in ascending and descending order.</li> </ul>
		AMPHP5	General Practical	<ul style="list-style-type: none"> <li>• Determination of susceptibility of the given paramagnetic solution and estimate the Magnetic Moment and Bohr Magnetron for various normalities.</li> <li>• Determination of Cauchy's Constant by spectrometer.</li> <li>• Determination of wavelength of a source and thickness of a thin transparent medium by forming interference pattern.</li> <li>• Determination of self-inductance of the given coil having different turns.</li> <li>• Calculation of force constants of a molecule from the vibrational spectral data.</li> </ul>

		AMPHP6	Major Practicals - VI ELECTRONICS	<ul style="list-style-type: none"> <li>• Construction of a series voltage regulator using transistor and study the regulation factors to find out the percentage of regulation.</li> <li>• Designing of a Schmitt trigger circuit using transistors and trace the input and output waveforms.</li> <li>• Construction of a triangular and a ramp wave generator using Operational Amplifier (OP Amp) and construction of 555 timer based square wave generator.</li> <li>• Construction and study of modulus counters (2 to 9) using IC 7490 or any equivalent IC. Using a 7 segment decoder and a 7 segment display to show output.</li> <li>• Construction of analog to digital converter using comparator and an encoder - Measurement of the digital outputs for various input voltages.</li> </ul>
1504	Bsc Chemistry	SMCH51	Organic chemistry - III	<ul style="list-style-type: none"> <li>• To learn about stereochemistry</li> <li>• To understand aromaticity</li> <li>• To study dyes</li> </ul>
		SMCH52	Physical chemistry - II	<ul style="list-style-type: none"> <li>• To learn about basic concepts and I and II law of thermodynamics</li> <li>• To understand chemical equilibrium and electrochemistry</li> <li>• To study solutions</li> </ul>
		SECH5A	Polymer Chemistry	<ul style="list-style-type: none"> <li>• To know the concept of polymerization and types of polymers</li> <li>• To understand the characteristics of polymers</li> <li>• To acquire knowledge about the polymerization techniques and polymer processing</li> <li>• To know the chemistry of individual polymers</li> <li>• To have an idea about the recent advances in polymer sciences</li> </ul>



		SECH5C	Inorganic Chemistry II	<ul style="list-style-type: none"> <li>• To study the theories in coordination chemistry</li> <li>• To study the chemistry of metal carbonyls</li> </ul> <p>To understand the role of metal ions in biological systems</p> <ul style="list-style-type: none"> <li>• To study the basic principles of photoinorganic chemistry</li> </ul>
		SMCHP5	Major Practical: Organic Analysis	<ul style="list-style-type: none"> <li>• To identifying the formula of a compound, its elemental composition, and functional groups.</li> <li>• The basic aims of organic qualitative analysis are to detect and identify organic compounds.</li> </ul>
		SMCHP6	Major Practicals: Inorganic gravimetric estimation and Inorganic Preparations	<ul style="list-style-type: none"> <li>• Be skilled in concept of qualitative and gravimetric analysis</li> <li>• Learn estimation by gravimetric method</li> <li>• Estimate of Lead as lead chromate</li> <li>• Estimate of barium as barium chromate</li> <li>• Estimate of copper as lead cuprous thiocyanate</li> </ul>
1527	B.SC. Zoology	SMZO51	Ecology & Toxicology	<ul style="list-style-type: none"> <li>• Students becomes well aware of the interaction and interdependence among environmental factors and living organisms.</li> <li>• It explain the characters and features of ecological population and community.</li> <li>• It explains the importance of wild life conservation,</li> <li>• Uses of remote sensing technique in ecology a urbanization.</li> <li>• Student gain knowledge about the ill effects and health hazards of toxic agents released to the environment.</li> </ul>
		SMZO52	Genetics	<ul style="list-style-type: none"> <li>• To gain knowledge of Mendelian traits of human traits</li> <li>• Explain the importance of genetics and welfare of human society</li> <li>• Develop the ability to think critically, analyze and use the information gained to solve problems related to genetics</li> </ul>

		SEZO5A	Animal Physiology & Bio chemistry	<ul style="list-style-type: none"> <li>• To organize the students knowledge of chemistry around the physiological functions of whole animal systems with a special reference human being.</li> <li>• To know the anatomy and interactions between different organ systems.</li> <li>• To understand the classification, structure and functions of the basic nutrients.</li> <li>• To have an eye on the mechanism of enzymes on metabolism.</li> <li>• Understanding of endocrinology with special reference to man.</li> </ul>
		SEZO5D	Immunology & Micro biology	<ul style="list-style-type: none"> <li>• The types and organs of immunity.</li> <li>• The structure, function and biological properties of Immunoglobulin.</li> <li>• The antigen antibody reaction and types &amp; immune responses.</li> <li>• The facts about classical microbiology.</li> <li>• The application of microbiology in different fields of food industry, Agriculture, Medical and Pharmaceutical industry.</li> </ul>
		SCSB5B	Effective Communication-Skill Based	<ul style="list-style-type: none"> <li>• To improve the student communicative competence in English in speaking and writing.</li> <li>• Providing them with down-to-earth sensible and stimulating guidance.: carry on conversation in different communication contexts such as face to face communications, telephonic communication, viva voce interview etc.,</li> <li>• To increase their ability to participate actively in group discussions and exchange ideas or attempt to reach a decision on shared problems.</li> <li>• Improve their ability to read fast with better understanding.</li> <li>• Students are inculcated to Prepare well-organized curriculum vitae (resume/bio-data) Project report, and Write effective formal and informal, letters applications, memos, Emails and faxes</li> </ul>

		SMZOP5	Major Practical : V Ecology, Toxicology & Genetics	<ul style="list-style-type: none"> <li>• Students becomes well aware of the interaction and interdependence among environmental factors and living organisms.</li> <li>• It explain the characters and features of ecological population and community.</li> <li>• It explains the importance of wild life conservation,</li> <li>• Uses of remote sensing technique in ecology a urbanization.</li> <li>• Student gain knowledge about the ill effects and health hazards of toxic agents released to the environment.</li> </ul>
		SMZOP6	Major practicals: VI Animal Physiology & Bio chemistry	<ul style="list-style-type: none"> <li>• To measure the rate of O<sub>2</sub> consumption in a fish.</li> <li>• Calculate the Q<sub>10</sub> with the effect of temperature on the opercular movement of fish.</li> <li>• To demonstrate the blood pressure using sphygmometer.</li> </ul>
		SMZOP7	Major Practicals: VII Immunology & Micro biology	<ul style="list-style-type: none"> <li>• To study the components of human immune system.</li> <li>• To understand human defense mechanisms.</li> <li>• Students will gain knowledge about the different cell organelles of microorganisms and their detailed functions.</li> <li>• Students will also study the growth and control of microbes as well as different bacteriological techniques involved in microbiology.</li> <li>• Students will learn about the biomolecules by studying their structures and types.</li> </ul>
1506	Computer Science	AMCS51	Relational database management system	<ul style="list-style-type: none"> <li>• To outline relational database concepts</li> <li>• To relate transaction management concepts in database system.</li> <li>• To utilize Normalizations techniques.</li> <li>• To write SQL programs that use: procedure, function, package, cursor and Exceptions.</li> <li>• To Use current techniques and tools necessary for complex computing practices.</li> </ul>
		AMCS52	Data communication and Computer Network	<ul style="list-style-type: none"> <li>• To define the concepts in Computer Network and Data Communication</li> <li>• To outline the various protocols used in network</li> <li>• To compare OSI Layers in Computer networks</li> <li>• To list about Switching Techniques</li> <li>• To discuss wireless LAN's</li> </ul>

		AMCS53	PHP and MYSQL	<ul style="list-style-type: none"> <li>• To define and use open source database management system MySQL</li> <li>• To explain dynamic web pages and websites.Ø</li> <li>• To identify web pages with database.Ø</li> <li>• To compare the concepts of open sourcesØ</li> <li>• To assess the knowledge about ArraysØ</li> </ul>
		AECS53	Cloud Computing	<ul style="list-style-type: none"> <li>• To understand the History of cloud computing</li> <li>• To know in detail about the various Cloud Computing concepts</li> <li>• To enquire cloud computing Architecture</li> <li>• To understand SOA components</li> <li>• To know about cloud security and privacy</li> </ul>
		AMCSP5	PHP and MYSQL Lab	<ul style="list-style-type: none"> <li>• Introduction to PHP, conditions and looping structures</li> <li>• Arrays and functions in PHP</li> <li>• Various file handling techniques</li> <li>• MYSQL table operations</li> <li>• PHP with MYSQL linking</li> </ul>
		AMCSP6	Practicals: Machine Learning	<ul style="list-style-type: none"> <li>• Apply the concepts and practical knowledge in analysis, design and Development of computing systems</li> <li>• To make use of applications to multidisciplinary problems.</li> <li>• To discuss the knowledge about various algorithms</li> <li>• To interpret the knowledge about various datasets</li> <li>• Develop data frames in Machine Learning</li> </ul>
1521	PHS	AMPE51	Exercise physiology	<ul style="list-style-type: none"> <li>• Understand the meaning, nature and scope of exercise physiology</li> <li>• Analyse the effects of exercise physiology on various system of the body</li> <li>• Analyse the factors affecting skills, motor ability, warm-up and metabolic process and co4 interpret the physiological principles on physical education and sports.</li> <li>• understand the physiological aspects, high altitude, effect of alcohol, drugs and smoking</li> </ul>

		AMPE52	Test, Measurement & Evaluation in Physical Education & Sports	<ul style="list-style-type: none"> <li>• To Know about the Meaning of Test, Measurements and Evaluation.</li> <li>• To Understand the Classification of Test.</li> <li>• To Know about Teacher made test and Standardised Test</li> <li>• To Understand the Health related and Skill related Fitness.</li> <li>• To Know about motor Skill Tests &amp; Tests of Specific Sports Skills</li> </ul>
		AMPE53	Theories of Track & Field	<ul style="list-style-type: none"> <li>• Trace the history of sports and games in India</li> <li>• Learn the strategy and tactics in sports</li> <li>• Learn various skills in track and field</li> <li>• Be familiar with rules and regulations, and learn the method of officiating for all track and field events.</li> <li>• Learn standard and non standard track, lay out and maintenance</li> </ul>
		AEPE51	Principles of Motor Development	<ul style="list-style-type: none"> <li>• Understand the basic Motor development</li> <li>• Know about physical growth, maturation and aging</li> <li>• Understand and study the motor skills and movement concepts</li> <li>• Understanding the concept of Constraints in Motor Development.</li> </ul>
		AMPEP5	Practical: Track and Field Events	<ul style="list-style-type: none"> <li>• To study the fundamental movements for Track &amp; Field events.</li> <li>• To apply training means and methods and techniques in Track &amp; Field events</li> <li>• To study advance level of techniques in Track &amp; Field events</li> <li>• To understand the laying of competition area and officiating.</li> </ul>

		AMPEP6	Practical: Measurement and Evaluation in Human performance	<ul style="list-style-type: none"> <li>• The students will be able to recognize and relate the concept of test, measurement and evaluation in the context of Physical Education.</li> <li>• Construct and conduct the physical fitness and sports skill test.</li> <li>• The students will be able to implement the criteria of test selection.</li> <li>• Develop the art of applications of test, measurement and evaluation in sports.</li> <li>• Development of practical competency in conducting physical fitness and skill tests.</li> </ul>
1301	B.Com	SMCO51	Corporate Accounting - I	<ul style="list-style-type: none"> <li>• Learn about Issue of shares at par/premium/discount and solve problems on calls in arrears/ calls in advance, forfeiture and reissue of shares, prorata allotment, redemption of preference shares and issue of bonus shares</li> <li>• Know about issue/redemption of debentures and underwriting of shares</li> <li>• Learn the concept of Profits prior to Incorporation, alteration of share capital and internal reconstruction</li> <li>• Gain knowledge on Valuation of Goodwill and shares and solve problems</li> <li>• Acquire knowledge on concepts of Amalgamation, Absorption and External Reconstruction and prepare accounts. Also know about the calculation of purchase consideration</li> </ul>

		SMCO52	Cost Accounting	<ul style="list-style-type: none"> <li>• Introduce about the nature, meaning, features, importance and limitation of Cost Accounting. Learn the concept of Cost Centre, Cost Unit, elements of cost and prepare Cost Sheet</li> <li>• Learn the concept of Material as an element of cost. Know about purchase control, centralized and decentralized purchasing, solve problems on levels of stock, Economic Order Quantity, ABC Analysis. Learn the concept Bin Card, Stores Ledger. Solve problems on Issue of Materials like FIFO,LIFO etc</li> <li>• Know about the concept of Labour as an element of Cost. Understand the different methods of wage payments, remuneration and incentives. Learn about Idle time, Over Time and Labour Turnover</li> <li>• Gain knowledge on Overheads as an element of Cost, solve problems on allocation, apportionment, reapportionment and absorption of overheads</li> <li>• Understand about Job and Process costing. Also learn about treatment of Process losses and gains</li> </ul>
		SMCO53	Business law	<ul style="list-style-type: none"> <li>• Learn about the fundamentals of Indian Contract Act, 1872 and gain knowledge on Essentials of a valid contract, Offer, Acceptance, Consideration, Capacity, Free Consent, Legality of objects and contingent contracts</li> <li>• Know about how performance of contract is done, how a contract is discharged, what tantamount to breach of contract and remedies available to parties. Also learn about Quasi Contracts</li> <li>• Learn about the special contracts of Indemnity and Guarantee</li> <li>• Understand the special contracts of Bailment, Pledge and Agency</li> <li>• Gain knowledge on Sale of Goods Act, analyze the difference between sale and agreement to sell, sale and Hire Purchase agreement. Learn about Classification of goods and Document of title to goods, Rights and Duties of Buyers and Sellers and rights of an Unpaid Seller</li> </ul>

		SMCO5A	Income Tax Law & Practice - I	<ul style="list-style-type: none"> <li>• Understand the basic concepts of Income Tax Act and solve problems on Residential Status, Exempted Incomes</li> <li>• Know about Income from Salary, the different allowances / perquisites and solve problems</li> <li>• Learn the concept of Income from House Property, Annual value, standard deduction, unrealized rent and compute problems</li> <li>• Gain knowledge on Income from Business or Profession, allowances deductible while computing the income, disallowed expenses and problems on computing income from Business and Profession</li> <li>• Acquaint about Income from Capital Gains, its types, exemptions available and problems on computing Income from Capital Gains</li> </ul>
		SMCO54	Reserch methodology	<ul style="list-style-type: none"> <li>• To understand the Basic Concepts of Research and its methodologies.</li> <li>• To encourage the students to conduct researcher to solve various problems.</li> <li>• To impart knowledge regarding the collection of data, analysis and application of various statistical tools.</li> <li>• To enable them to acquire knowledge regarding the preparation of research report.</li> <li>• To organize and Conduct research in a more appropriate manner.</li> </ul>
1401	BCA	AMCA51	SOFTWARE ENGINEERING	<ul style="list-style-type: none"> <li>• Concept of Fundamentals of Software Engineering</li> <li>• Understanding requirement analysis.</li> <li>• Function oriented Software Design</li> <li>• Developing user interface design</li> <li>• Knowledge of Software Quality Management.</li> </ul>



		AMCA52	WEB TECHNOLOGY	<ul style="list-style-type: none"> <li>• The Internet, history of Internet, Web concepts are discussed. Internet protocols and application protocols are explained.</li> <li>• The skeleton of HTML, table, anchor, frames, forms tags are described.</li> <li>• VBScripts and Java Scripts are used for enhancing web pages and servers.</li> <li>• PHP code is embedded inside a regular HTML document and is recognized and executed by the web server when the document is requested through a browser.</li> <li>• Using PHP, how to use arrays to group related form controls together and how to create custom functions and abstract them into separate files.</li> </ul>
		AMCA53	RDBMS	<ul style="list-style-type: none"> <li>• The primary goal of a DBMS is to provide an environment that is both convenient and efficient for people to use in retrieving and storing information.</li> <li>• The relational data model is based on the tables. The super key, foreign key, schema diagrams are explained. Relational algebra operations are also discussed.</li> <li>• SQL DDL is used to create relations with specified schemas. SQL supports basic set operations on relations. SQL supports nested sub queries.</li> <li>• The ER data model is widely used data model for data base design. We introduced the concept of functional dependencies and normal forms.</li> <li>• Basic SQL commands like INSERT, UPDATE, DELETE and SELECT are discussed. Triggers, Stored Procedures and Functions are created and explained.</li> </ul>

		AMCA5C	Cyber Security	<ul style="list-style-type: none"> <li>• Understand the risks associated with information security</li> <li>• Understand basic information technology risks &amp; control concepts</li> <li>• Understand the components security Framework and Standards</li> <li>• Understand SANS Top 20 Critical Security Controls</li> </ul>
1301	B.Com	AECO51	INCOME TAX LAW&PRACTICE	<ul style="list-style-type: none"> <li>• To know the residential status and tax exemptions.</li> <li>• To compute the taxable salary.</li> <li>• To calculate house property income.</li> <li>• To identify the income from other sources</li> <li>• To understand the provisions for filing the return of income</li> </ul>
1303	Corp	AMCO54	RESEARCH METHODOLOGY	<ul style="list-style-type: none"> <li>• To understand the Basic Concepts of Research and its methodologies.</li> <li>• To encourage the students to conduct researcher to solve various problems.</li> <li>• To impart knowledge regarding the collection of data, analysis and application of various statistical tools.</li> <li>• To enable them to acquire knowledge regarding the preparation of research report.</li> <li>• To organize and Conduct research in a more appropriate manner.</li> </ul>

		AECO51	INCOME TAX I	<p>§ Learn about basics of Income tax act, residential status of assessee, incidence of tax and exempted income</p> <p>§ Know about computation of taxable income under heads of Salary, House Property, Business, Capital Gains and Other sources</p> <p>§ Acquaint with provisions of Clubbing of Income, set off &amp; carry forward of losses, deductions from Gross Total Income and calculation of tax liability</p> <p>§ Learn about tax planning and tax management of individuals, Hindu Undivided Family and Association of Persons</p> <p>§ Gather idea about Income Tax Authorities, procedure of assessment, collection/recovery of tax and refunds</p>
1105	English	AMEN51	Non-Fiction	<ul style="list-style-type: none"> <li>• Devise, develop, draft and present substantial pieces of Creative Nonfiction;</li> <li>• Engage critically with a wide array of Creative Nonfiction literature;</li> <li>• Provide detailed and constructive feedback on other students' creative work through the writing workshop approach to learning and practice;</li> <li>• Do extensive and multimodal research, including interviews and observation, as part of developing their Creative Nonfiction work;</li> <li>• Engage, as both readers and writers, with Creative Nonfiction narrative practices and ethical questions.</li> </ul>
		AMEN52	Literary Critic and Approaches	<ul style="list-style-type: none"> <li>• To understand about what is literary criticism</li> <li>• To develop the relevance of literary criticism</li> <li>• To enhance the elements of theory and criticism</li> <li>• To formulate the concepts of theoretical and practical criticism</li> <li>• To differentiate between literature and theoretical criticism</li> </ul>

		AMEN53	World Literature in Translation	<ul style="list-style-type: none"> <li>• To enrich the knowledge of translation</li> <li>• To create awareness regarding the scope of translation</li> <li>• To develop the theoretical standards of translation</li> <li>• To develop the skills of translation</li> <li>• To explore the notions of structural and semantic identification of translations.</li> </ul>
		AMEN54	Canadian Literature	<ul style="list-style-type: none"> <li>• Identify representative authors and texts in Canadian literature from the Confederation period to the present day.</li> <li>• Identify and describe major genres and literary techniques that have influenced the development of Canadian literature.</li> <li>• Describe the development of Canadian literature from its origins as an outgrowth of British literature to its establishment as a discrete national literature with its own distinct voice and set of traditions.</li> <li>• Formulate sustained and logical arguments that build on textual evidence and manifest themselves in a variety of written forms, such as expository essays, encyclopaedia articles, and online discussion forums.</li> </ul>
		AEEN51	Women's Writing	<ul style="list-style-type: none"> <li>• To concentrate on the specific aspects of literary writing produced by women.</li> <li>• To identify the recurring themes of women's writing. Ø to trace the evolutionary patterns regarding gender discrimination.</li> <li>• To explore the interconnecting stability of women's tradition through their literature.</li> <li>• To promote the notions of feminine social literary background.</li> </ul>
		AEEN52	Journalism and Mass Communication	<ul style="list-style-type: none"> <li>• Gain knowledge of Journalism and Mass Communication and the related avenues.</li> <li>• Acquire the knowledge related to various avenues of Journalism and Mass Communication and their impact</li> <li>• Be skillful enough to excel in professional techniques of Media industry</li> <li>• Shall empower themselves by journalistic, communicative and professional skills</li> <li>• Shall become socially responsible leaders with global media vision.</li> </ul>

VI SEMESTER				
1103&1104	B.A. Economics	AMEC61	Macro Economics - II	<ul style="list-style-type: none"> <li>• Learn about the theories of distribution</li> <li>• It covers from Investment approaches in various Aspects</li> <li>• It easily understand Applicability of Keynes theory of</li> <li>• Under developed countries</li> <li>• Students are growing influence in Macro Economics Policy with All Employment</li> <li>• Role of Monetary Policy in a Developing Economy is easy to learn</li> </ul>
		AMEC62	Public Finance II	<ul style="list-style-type: none"> <li>• Secure adjustments in allocation of resources.</li> <li>• Secure adjustment in the distribution income and wealth with the help of revenue and expenditure process of the government.</li> <li>• Secure economic stabilization or to remove economic fluctuations and distortions in the economy.</li> <li>• Accelerate economic development.</li> <li>• Secure distribution justice.</li> </ul>
		AMEC63	Money and Banking -II	<ul style="list-style-type: none"> <li>• Understand the functions and role of commercial banks</li> <li>• Acquire the knowledge of banking system</li> <li>• Acquire the knowledge of banking operations</li> <li>• Understand the functions and role of central banks</li> <li>• Acquire the knowledge of modern banking technology</li> </ul>
		AMEC64	Indian Economy-II	<ul style="list-style-type: none"> <li>• Understand the availability of natural resources, problems of poverty and unemployment.</li> <li>• To explain the role of agriculture in Indian economy</li> <li>• To study the role of industrial sector</li> <li>• Acquire the knowledge of transport sector</li> <li>• Understand the concept of five year planning</li> </ul>

		AEEC62	INDUSTRIAL ECONOMICS	<ul style="list-style-type: none"> <li>• Acquire the knowledge of industrial growth in India.</li> <li>• To study the role of industrial sector</li> <li>• Understand the meaning, characteristics, objectives, functions and conditions of Industrial Relations.</li> <li>• Know about meaning, characteristics and functions of trade unions,</li> <li>• Learn about collective bargaining, its characteristics, need, principles and importance.</li> <li>• Learn about grievance and discipline procedure</li> </ul>
1517	B.Sc.Mathematics	AMMA61	Complex Analysis	<ul style="list-style-type: none"> <li>• Students will learn about the complex numbers. They will know to find <math>n</math>th root of a complex number. They will learn about circles, straight lines and regions in the complex plane. They will know about extended complex plane.</li> <li>• They will learn functions of complex variables. They will learn limits and differentiability. They will learn to apply C-R equations to check whether the function is differentiable or not. They will know analytic functions and harmonic functions.</li> <li>• They will learn elementary transformations. They will know about cross ratio. They will know to find the fixed points of bilinear transformations. They will learn some special bilinear transformations.</li> <li>• They will study complex integration. They will learn definite integral. They will learn to apply Cauchy's Theorem and Cauchy's Integral formula to integrate the functions. They will know Higher Derivatives and Taylor's Series.</li> <li>• They will learn Laurent Series. They will be able to find Singular points and Residues. They will learn to evaluate Definite Integrals.</li> </ul>

		AMMA63	Number theory	<ul style="list-style-type: none"> <li>• Students are able to know about Mathematical Induction and Binomial theorem.</li> <li>• Studies about Division algorithm and the Euclidean Algorithm.</li> <li>• Understands the Fundamental theorem of arithmetic and the Sieve of Eratosthenes.</li> <li>• Studies basic properties of congruence and linear congruence, The Chinese Remainder Theorem.</li> <li>• Gets knowledge about Fermet's theorem and Wilson's theorem.</li> </ul>
		AMMA62	Graph theory	<ul style="list-style-type: none"> <li>• Students will be able to know how to give the examples for graphs from the definition graphs.</li> <li>• Students will know to understand the degree sequences, and walks, Trails and paths, connectedness.</li> <li>• Students will know to draw Euler graphs, Hamiltonian graphs and they can understand the given the graphs are Eulerian (or) not.</li> <li>• Students will be able to give the examples of planar graphs and they can find the chromatic number for the given graphs.</li> <li>• Students will know to define the digraphs and connectedness in digraphs.</li> </ul>
		AMMA64	Dynamics	<ul style="list-style-type: none"> <li>• To provide a basic knowledge of the behaviour of objects in motion</li> <li>• To develop a working knowledge to handle practical problems</li> </ul>
		AMMA65	Numerical methods	<ul style="list-style-type: none"> <li>• To introduce the finite differences</li> <li>• To solve numerical problems by different methods</li> </ul>
		AEMA61	Astronomy	<ul style="list-style-type: none"> <li>• To introduce the exciting world of Astronomy to students</li> <li>• To understand the movements of the celestial sphere</li> <li>• To study the Kepler's laws of motion</li> </ul>

1522	B.Sc.Physics	AMPH61	Quantum Mechanics	<ul style="list-style-type: none"> <li>• Introduction about quantum mechanics brings out the quantum ideas and its subsequent progressive advances.</li> <li>• The physical significance of the wave function can understand by the uncertainty principle, the time-dependent and time-independent Schrodinger theories.</li> <li>• The scattering phenomena are useful in understanding the properties of atoms, nuclei and the interaction of elementary particles.</li> <li>• The studying of photon behaviors is useful in designing the quantum optical devices such as lasers enabled in optic telecommunications.</li> <li>• The computer chips used in desktops, laptops, smart phones etc... are working on the principle of wave nature of electrons.</li> </ul>
		AMPH62	Digital Electronics	<ul style="list-style-type: none"> <li>• Number system will explain different types of codes and numbers.</li> <li>• Boolean algebra explained different types of fundamental logic gates.</li> <li>• Able to understand multivibrator 555 timers and flip-flops.</li> <li>• Able to understand basic fundamentals of counters and register.</li> <li>• To understand conversation of D/A and A/D BCD to Decoder.</li> </ul>



		AMPH63	Solid state physics	<ul style="list-style-type: none"> <li>• Students be able to understand the basic knowledge of crystal systems, different types of crystals and their structures, atoms, interatomic forces and bonds.</li> <li>• Structural determination of simple structures, understand the concepts of reciprocal space and brillouin zones.</li> <li>• Band theory of solids enables the band structure of conductors, semi-conductors and insulators and the properties of conducting charge carriers.</li> <li>• Basic theory of superconductivity allows the students to know about infinite conduction at lower temperatures and also how the external magnetic field induces the transition of superconductivity in metals.</li> <li>• Students are able to recognize the different types of superconductors and their properties.</li> </ul>
		AEPH61	Energy physics - Elective	<ul style="list-style-type: none"> <li>• Understanding world's reserve of commercial energy sources and their availability and applications.</li> <li>• Uses and applications of solar thermal energy.</li> <li>• Students will understand the working and principle of photovoltaic systems.</li> <li>• Awareness of biomass conversion technologies and methods for obtaining energy from biomass.</li> <li>• Knowledge of Wind energy, Ocean thermal energy, tidal power energy advantages and limitation.</li> </ul>
1504	Bsc Chemistry	AMCH61	Inorganic chemistry - III	<ul style="list-style-type: none"> <li>• To study the theories in coordination chemistry</li> <li>• To study the chemistry of metal carbonyls</li> </ul> <p>To understand the role of metal ions in biological systems</p> <ul style="list-style-type: none"> <li>• To study the basic principles of photoinorganic chemistry</li> </ul>
		AMCH63	Organic chemistry - IV	<ul style="list-style-type: none"> <li>• To learn about natural products</li> <li>• To understand chemistry of aromatic compounds</li> <li>• To study spectroscopy</li> </ul>

		AMCH62	Physical chemistry - IV	<ul style="list-style-type: none"> <li>• To learn about basic concepts in spectroscopy</li> <li>• To understand chemical equilibrium and phase equilibrium</li> <li>• To study nano chemistry</li> </ul>
		AECH62	Nano Chemistry - Elective	<ul style="list-style-type: none"> <li>• To give an insight into the basics of nanochemistry.</li> <li>• To understand the difference between bulk material and nanomaterial and learn the synthesis, application and fabrication of nanostructure.</li> <li>• To study the importance of nanocatalyst, nanocomposites and fibers.</li> <li>• To make the students familiar with the characterization and applications of nanomaterials</li> </ul>
1527	B.SC. Zoology	AMZO61	Evolution	<ul style="list-style-type: none"> <li>• To know how the life originated in our planet and related theories</li> <li>• Students learned relationships between abiotic and biotic factors</li> </ul>
		AMZO62	Animal Bio technology	<ul style="list-style-type: none"> <li>• Be able to describe the structure of animal genes, cloning vectors and genomes.</li> <li>• Be able to describe how genes are expressed and what regulatory mechanisms contribute to control of gene expression.</li> <li>• Be know about the basic principle and techniques in genetics manipulation and genetic engineering.</li> <li>• Be well aware of techniques and problems both technical and ethical in animal cloning.</li> <li>• Be able to explain the functional genomics in animal biotechnology now and in the future.</li> </ul>
		AMZO63	Bio statistics, Computer application	<p>§ To find out mean, median, mode standard deviation standard error and co-efficient of variance using Neem leaf.</p> <p>§ To know the computer basics.</p> <p>§ To know the new techniques of bioinformatics.</p>

		AEZO61	Sericulture	<ul style="list-style-type: none"> <li>• Knowledge about Horticulture.</li> <li>• The importance of cultural techniques of mulberry.</li> <li>• The details about different species of silkworm and its life cycle.</li> <li>• The importance points about the production of silk</li> <li>• To explore the scope for students adopting sericulture as a vocation as it rural based and welfare oriented agro based industry.</li> </ul>
		AEZO64	Apiculture	<ul style="list-style-type: none"> <li>• The importance, Biology and management of bees.</li> <li>• To demonstrate bee keeping management skills.</li> <li>• To apply the knowledge on bee biology and management to the development of the bee industry.</li> <li>• To evaluate bee keeping project for cost effectiveness and sustainability.</li> <li>• To kindly the interest of students to take up the beekeeping of their profession.</li> </ul>
1506	Computer Science	AMCS61	Operating System	<ul style="list-style-type: none"> <li>• To acquire the fundamental knowledge of the operating system architecture and components and to know the various operations performed by the operating system.</li> <li>• Understand the basic working process of an operating system.Ø</li> <li>• Understand the importance of process and scheduling.Ø</li> <li>• To explain the issues in synchronization and memory management.Ø</li> <li>• To discuss about mass storage structuresØ</li> </ul>
		AMCS62	Software engineering & Testing	<ul style="list-style-type: none"> <li>• To define the fundamental knowledge of Software Engineering</li> <li>• To classify the various testing methods.Ø</li> <li>• To analyze various software life cycle modelsØ</li> <li>• To interpret User Interface designØ</li> <li>• To select software project managementsØ</li> </ul>

		AMCS63	Computer graphics and Visualization	<ul style="list-style-type: none"> <li>• To understand the overview of the graphics visualization</li> <li>• To acquire the fundamental knowledge of Computer Graphics and Visualization.</li> <li>• To understand the Algorithms in Computer Graphics</li> <li>• To acquire the transformation technique in Graphics</li> <li>• To understand the Interactive methods easily</li> </ul>
		AMCS64	Introduction to Digital Image Processing	<ul style="list-style-type: none"> <li>• To define the fundamental knowledge of introduction to Digital Image Processing.</li> <li>• To explain the features present in Digital Image Processing.</li> <li>• To outline the enhancement of spatial domain</li> <li>• To analyze the color Image processing</li> <li>• To interpret the image using compression</li> </ul>
		AECS61	Internet of things	<ul style="list-style-type: none"> <li>• To define the fundamentals of IOT</li> <li>• To outline about IOT working</li> <li>• To discuss the Architecture of IOT</li> <li>• To outline how IOT is used in Education and Agricultural level</li> <li>• To explain security in IOT</li> </ul>
1521	PHS	AMPE61	Athletic care, Sports Injuries and Rehabilitation	<ul style="list-style-type: none"> <li>• Relate the different types of tests and measurement in physical education</li> <li>• Identify the sports performance using different sports skill tests</li> <li>• Compare and contrast the results of different test measurements</li> <li>• Determine the value of sports skill tests</li> <li>• Improve and modify the existing skill test using computer application</li> </ul>
		AMPE62	Theories of Games	<ul style="list-style-type: none"> <li>• Trace the history and working federations</li> <li>• Develop the fundamental skills and techniques</li> <li>• Acquire the physiological training, warming-up and motor qualities</li> <li>• Become familiar with the rules and regulations and their interpretations.</li> <li>• Learn the method of officiating play field, equipment specifications and scoring</li> </ul>

		AMPE63	Elemntary statistics in Physical Education	<ul style="list-style-type: none"> <li>• Understand the meaning, nature, need and importance of statistic in physical education and sports</li> <li>• Know about frequency distribution, measure of central tendency and grouped data</li> <li>• Understand the measure of variability, range and quartile deviation</li> <li>• Know about percentiles, deciles and quartiles</li> <li>• Understand the measure of relationship, correlation and rank order correlation</li> </ul>
		AEPE61	Sports Nutrition - Elective	<ul style="list-style-type: none"> <li>• To Know about Meaning and Importance of Nutrition</li> <li>• To Understand the Basics of Nutrition</li> <li>• To Know about Nutrition Value of Food Stuffs.</li> <li>• To Understand about Principles of Weight Control</li> <li>• To Know about Energy requirement in sports.</li> </ul>
1301	B.Com	AMCO61	Corporate Accounting II	<ul style="list-style-type: none"> <li>• To understand about the issue of shares and debentures.</li> <li>• To understand about the redemption of preference shares.</li> <li>• To understand the calculation of profit prior to incorporation.</li> <li>• To practice the maintenance of final accounts as per revised accounting standards.</li> <li>• To understand the accounting for amalgamation and external reconstruction.</li> <li>• To analyse the various schemes for capital reduction.</li> <li>• To evaluate the preparation of liquidator's financial statement.</li> </ul>

		AMCO62	Management Accounting	<ul style="list-style-type: none"> <li>• To understand the basic concepts of management accounting and types of ratios can be applied for evaluating the performance and financial position of a firm.</li> <li>• To evaluate the performance of a firm using fund flow cash flow statement.</li> <li>• To prepare various budgets and understand the features and importance of budgets</li> <li>• To identify the significance of standard costing, use marginal costing techniques for optimizing cost and profit.</li> <li>• To Understand the Capital Budgeting Importance and various Appraisal methods for evaluating and performance of firm.</li> </ul>
		AMCO63	Industrial law	<ul style="list-style-type: none"> <li>• To know the provisions of Factories Act</li> <li>• To know about the welfare, safety and health of workers.</li> <li>• To understand the disputes of strike, lock out, retrenchment, lay off and compensation</li> <li>• To understand the Trade Union Act</li> <li>• To know the rights and duties of Employee State Insurance</li> </ul>
		AMCO64	Auditing	<ul style="list-style-type: none"> <li>• Know about the basics of Auditing, advantages and limitations. Also know about Audit Programme, Audit Working Papers, audit preliminaries and test checking</li> <li>• Learn about internal check, internal control and internal audit.</li> <li>• Understand about vouching and vouchers</li> <li>• Get an idea about how verification of assets and liabilities are made</li> <li>• Learn the provisions regarding Company Auditor, their appointment, qualifications and disqualifications, removal, status, rights, duties and liabilities. Also know about the types of auditor reports</li> </ul>

		AECO61	Income tax law and Practice - Elective	<ul style="list-style-type: none"> <li>• Understand the basic concepts of Income Tax Act and solve problems on Residential Status, Exempted Incomes</li> <li>• Know about Income from Salary, the different allowances / perquisites and solve problems</li> <li>• Learn the concept of Income from House Property, Annual value, standard deduction, unrealized rent and compute problems</li> <li>• Gain knowledge on Income from Business or Profession, allowances deductible while computing the income, disallowed expenses and problems on computing income from Business and Profession Acquaint about Income from Capital Gains, its types, exemptions available and problems on computing Income from Capital Gains</li> </ul>
1105	B.A ENGLISH	AMEN61	Shakespeare	<ul style="list-style-type: none"> <li>• To develop imagination and creativity</li> <li>• To explore the language of shakespeare</li> <li>• To enhance the proficiency of shakespeare's writing techniques</li> <li>• To explore the dramatic techniques of shakespeare</li> <li>• To develop the coherent shakespearean writing techniques.</li> </ul>

		AMEN62	Australasian Literature	<ul style="list-style-type: none"> <li>• close reading skills: undertake close reading of Australian literary prose, poetry, drama, and film</li> <li>• critical engagement: critically engage with Australian literary prose, poetry drama, and film with reference to significant themes of modern Australian society and life: e.g. class, race, gender, globalization, etc.</li> <li>• knowledge: knowledge of specific texts, and trends, debates, and institutions within Australian literary and film cultures, as well as knowledge of significant themes in Australian society and culture</li> <li>• research skills: conduct research to locate secondary critical sources that can inform reading and engagement with Australian literature and film</li> <li>• academic writing and presentation skills: present the results of analyses of Australian literature and film in a number of forms including academic essay and class presentations</li> </ul>
		AMEN63	Short Story and One Act Play	<ul style="list-style-type: none"> <li>• The students will describe and distinguish both the literary forms.</li> <li>• Students will identify and discuss the salient features of One act plays and short stories</li> <li>• Students will apply their familiarity with the salient features of One act plays and short stories to analyse some selected samples prescribed in the syllabus.</li> <li>• Students will develop their understanding about the general characteristics of One act plays and Short stories and operate them on some other samples.</li> </ul>
		AMEN64	Regional Literature	<ul style="list-style-type: none"> <li>• To enrich the knowledge of translation</li> <li>• To create awareness regarding the scope of translation</li> <li>• To develop the theoretical standards of translation</li> <li>• To develop the skills of translation</li> <li>• To explore the notions of structural and semantic identification of translations.</li> </ul>



		AEEN61	African Literature	<ul style="list-style-type: none"> <li>• To develop the cultural notions of africa</li> <li>• To enhance the knowledge regarding the tribal cultures of africa</li> <li>• To demonstrate the african narratives of poem, prose, drama, and novel</li> <li>• To explore regarding the economic and political standards of africa</li> <li>• To enhance the colonial and post-colonial periods of africa</li> </ul>
		AEEN62	Writing for Media	<ul style="list-style-type: none"> <li>• The student will understand what communication professionals do and the relationship between academic theory and professional practice.</li> <li>• The student will demonstrate critical thinking skills when generating, consuming, and evaluating messages in relevant communication contexts.</li> <li>• The student will create written messages demonstrating command of relevant communication constructs and industry/professional standards.</li> </ul>
1401	B.C.A	AMCA61	Operating System	<ul style="list-style-type: none"> <li>• To acquire the fundamental knowledge of the operating system architecture and components and to know the various operations performed by the operating system.</li> <li>• Understand the basic working process of an operating system.Ø</li> <li>• Understand the importance of process and scheduling.Ø</li> <li>• To explain the issues in synchronization and memory management.Ø</li> <li>• To discuss about mass storage structuresØ</li> </ul>
		AMCA62	Computer Netwroks	<ul style="list-style-type: none"> <li>• Study the functions of OSI Layers.</li> <li>• Familiarise with the Transmission Media, Flow Control and Error Detection &amp; Correction.</li> <li>• Understand fundamental concepts in Routing, Addressing &amp; working of Transport Protocols.</li> <li>• Gain familiarity with common networking &amp; Application Protocols.</li> <li>• Understand Wireless LANs &amp; Wireless Sensor Networks Operation.</li> </ul>

		AMCA63	Computer Graphics	<ul style="list-style-type: none"> <li>• To understand the overview of the graphics visualization</li> <li>• To acquire the fundamental knowledge of Computer Graphics and Visualization.</li> <li>• To understand the Algorithms in Computer Graphics</li> <li>• To acquire the transformation technique in Graphics</li> <li>• To understand the Interactive methods easily</li> </ul>
		AECA62	Software Project Management	<ul style="list-style-type: none"> <li>• To define the fundamental knowledge of Software Engineering</li> <li>• To classify the various testing methods.</li> <li>• To analyze various software life cycle models</li> <li>• To interpret User Interface design</li> <li>• To select software project managements</li> </ul>
1506	COMPUTER SC	AMCSP7	Computer Graphics lab	<ul style="list-style-type: none"> <li>• To illustrate skills in programming computer graphics</li> <li>• To apply multimedia concepts</li> <li>• To compile the algorithms to draw line, circle etc</li> <li>• To develop image using Scaling, Rotating and translation technique</li> <li>• To demonstrate the image using random and bouncing balls</li> </ul>
		AECS6P	Project-Digital Image Processing using SciLab/MathLab	<ul style="list-style-type: none"> <li>• To get knowledge about the basic programs on Digital Image Processing</li> <li>• To acquire the knowledge from Thresholding Technique</li> <li>• To read the colour image and separate the planes</li> <li>• To perform the brightness of the image</li> <li>• To manipulate the contrast image.</li> </ul>
Naan Mudhalvan Scheme				
	All UG I year	NMLE21	Language Proficiency for Employability	<ul style="list-style-type: none"> <li>• With the implementation of this program, gifted students will receive appropriate guidance that will assist them in choosing the correct career path.</li> </ul>

	All UG II year	NMDE41	Digital Skill for Employability	<ul style="list-style-type: none"> <li>The career and academic guidance to the students will be granted under the scheme. They will be given proper learnings and training sessions.</li> </ul>
	B.Sc. Computer Science & B.C.A.	NMET61	Emerging Technology for Employability (Machine Learning/ Android app/ Cyber Security)	<ul style="list-style-type: none"> <li>The spoken English lessons will also be granted in order to improve vocab skills among students. The sessions on software coding, robotics will also be taken.</li> </ul>
	B.Sc. Mathematics & Physics	NMDA61	Data Analytics with Advanced Tools for Employability (Project-based learning)	<ul style="list-style-type: none"> <li>. In addition, the standard of living of students will improve under this program.</li> </ul>
	B.Com Economics B. Com. CS	NMMF61	Digital Banking, Logistics, and Audit Essential for Employability (Mutual funds/Income Tax&GST )	<ul style="list-style-type: none"> <li>Through this program, Tamil Nadu students will have access to instruction that will assist them in attaining their career objectives.</li> </ul>
	UG III Year Zoology Chemistry PHS English	NMER61	Employability Readiness (Naandi/IBM Skills build)	<ul style="list-style-type: none"> <li>The primary goal of the Tamil Nadu Naan Mudhalvan Scheme is to identify, train, and provide career and academic guidance to talented students enrolled in government-run and state-run educational institutions</li> <li>This program will make Tamil Nadu scholars independent.</li> </ul>