Holy Cross College (Autonomous), Nagercoil Kanyakumari District, Tamil Nadu. Accredited with A<sup>+</sup> by NAAC - IV cycle – CGPA 3.35

Affiliated to Manonmaniam Sundaranar University, Tirunelveli



Semester I - IV POs, PSOs & COs

### DEPARTMENT OF MATHEMATICS





(With effect from the academic year 2024-2025)

PEOs	Upon completion of B.Sc. degree programme, the	Mission
	graduates will be able to	addressed
PEO 1	apply appropriate theory and scientific knowledge to	M1& M2
	participate in activities that support humanity and economic	
	development nationally and globally, developing as leaders	
	in their fields of expertise.	
PEO 2	inculcate practical knowledge for developing professional	M2, M3,
	empowerment and entrepreneurship and societal services.	M4 & M5
PEO 3	pursue lifelong learning and continuous improvement of the	M3, M4,
	knowledge and skills with the highest professional and	M5 & M6
	ethical standards.	

## Programme Educational Objectives (PEOs)

## Programme Outcomes (POs)

POs	Upon completion of B.Sc. Degree Programme, the	PEOs
	graduates will be able to:	Addressed
PO1	obtain comprehensive knowledge and skills to pursue	PEO 1
	higher studies in the relevant field of science.	
PO2	create innovative ideas to enhance entrepreneurial skills for	PEO2
	economic independence.	
PO3	reflect upon green initiatives and take responsible steps to	PEO 2
	build a sustainable environment.	
PO4	enhance leadership qualities, team spirit and communication	PEO 1&PEO 3
	skills to face challenging competitive examinations for a	
	better developmental career.	
PO5	communicate effectively and collaborate successfully with	PEO 2&PEO 3
	peers to become competent professionals.	
PO6	absorb ethical, moral and social values in personal and	PEO 2& PEO 3
	social life leading to highly cultured and civilized	
	personality	
<b>PO7</b>	participate in learning activities throughout life, through	PEO1 & PEO 3
	self-paced and self-directed learning to develop knowledge	
	and skills.	

DSO	Upon completion of B.Sc. Mathematics, the graduates	Mapping
P30	will be able to:	with POs
	acquire good knowledge and understanding, to solve	PO1
<b>PSO</b> – 1	specific theoretical & applied problems in different area	
	of mathematics & statistics.	
	understand, formulate, develop mathematical arguments,	PO6
	logically and use quantitative models to address issues	
PSU-2	arising in social sciences, business and other context	
	/fields.	
	apply Mathematical theories and principles accurately,	PO3 &PO7
PSO - 3	precisely and effectively including higher research and	
	extensions	
	prepare the students who will demonstrate respectful	PO5 &PO6
DSO 4	engagement with other's ideas, behaviors, beliefs and	
150-4	apply diverse frames of references to decisions and	
	actions	
	create effective entrepreneurs by enhancing their critical	PO2 &PO4
DSO 5	thinking, problem solving, decision making and	
P30-5	leadership skill that will facilitate startups and high	
	potential organizations	

### Programme Specific Outcomes (PSOs)

### **Mapping of PO'S and PSO'S**

POs	PSO1	PSO 2	PSO3	PSO4	PSO5
<b>PO 1</b>	S	М	М	М	М
PO 2	М	М	М	М	S
<b>PO 3</b>	М	М	S	М	М
PO4	М	М	М	М	S
PO5	М	М	М	S	М
PO6	М	S	М	S	М
<b>PO7</b>	М	М	S	М	М

Strong -S (3), Medium – M (2), Low – L (1)

### COURSE OUTCOMES SEMESTER I CORE COURSE I: ALGEBRA & TRIGONOMETRY Course Code : MU241CC1

On the successful completion of the course, student will be able to:			
1.	know the definitions and properties of the Remainder Theorem, equations with real and rational coefficients, and the transformations of equations	K1	
2.	find eigen values, eigen vectors, verify Cayley — Hamilton theorem and diagonalize a given matrix	K1	
3.	expand the powers and multiples of trigonometric functions in terms of sine and cosine	K2	
4.	classify and solve reciprocal equations	K2	
5.	determine relationship between circular and hyperbolic functions and the summation of trigonometric series	К3	

K1 - Remember; K2 - Understand; K3 - Apply

### **SEMESTER I**

### CORE COURSE II: DIFFERENTIAL CALCULUS

#### Course Code: MU241CC2

On the s	On the successful completion of the course, student will be able to:			
1	recall the definitions and basic concepts of Differential Calculus.			
2	understand the concepts of Differentiation, Partial Differentiation,	K2		
	Envelope & Curvature.			
3	determine Partial derivatives of a function of two variables and use	K2		
	Lagrange's method of undetermined multipliers.			
4	distinguish between partial and ordinary differential equations.	K3		
5	find the radius of curvature using polar co-ordinates.	K3		

K1 - Remember; K2 - Understand; K3 - Apply

## SEMESTER I ELECTIVE COURSE I: ALLIED MATHEMATICS-I ALGEBRA AND DIFFERENTIAL EQUATIONS

### Course Code : MU231EC1

On the s	On the successful completion of the course, student will be able to:			
1	recall the methods of finding the solutions of algebraic equations, differential equations and various formulae of laplace transform	K1		
2	understand the theory of algebraic equations, eigen values, differential equations and laplace transform	K2		
3	simplify algebraic expressions using various methods, find eigen values, solve initial value problems for odes and find inverse laplace transform	K2		
4	analyse various types of first-order odes, relate laplace transform and inverse laplace transform and formulate algebraic equations from real world problems.	K4		

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze;

### SEMESTER – I

### NON-MAJOR ELECTIVE NME - I MATHEMATICS FOR COMPETITIVE EXAMINATIONS I Course Code : MU231NM1

On the successful completion of the course, student will be able to:				
1	understand the problems and remember the methods to solve	K1 &		
	problems.	K2		
2	grasp the simplest method to solve problems.	K2		
3	apply suitable mathematical method and get solutions to simple real life	K3		
	problems.			

K1 - Remember; K2 - Understand; K3 - Apply

### SEMESTER – I

### FOUNDATION COURSE - BRIDGE MATHEMATICS Course Code: MU231FC1

On the successful completion of the course, student will be able to:			
1	prove the binomial theorem and apply it to find the expansions of	K2 & K3	

	any $(x + y)^n$ and also, solve the related problems.	
2	find the various sequences and series and solve the problems related	K1 &K3
	to them. Explain the principle of counting.	K3 8- K3
	find the number of permutations and combinations in different	К2 & К3
3	cases. Apply the principle of counting to solve the problems on	
	permutations and combinations.	
	explain various trigonometric ratios and find them for different	K2 & K3
4	angles, including sum of the angles, multiple and submultiple	
	angles, etc. Also, they can solve the problems using the	
	transformations.	
5	find the limit and derivative of a function at a point, the definite	K3
	and indefinite integral of a function. Find the points of min/max of	
	a function.	

K1-RememberK2- Understand K3 - Apply

### SEMESTER – I

### SPECIFIC VALUE-ADDED COURSE –WEB DESIGNING USING HTML Course Code : MU231V01

On the successful completion of the course, student will be able to:		
1	define modern protocols and systems used on the web (such	K2
	as HTML, HTTP)	
2	employ fundamental knowledge on web designing with	K3
	makeup language	
3	gain strong knowledge in HTML	K2
4	use critical thinking skills to design and implement an interactive websites	K4
	with regard to issues of usability, accessibility and internationalism	
5	to pursue future courses in website development and design	K3

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze

### SEMESTER I SPECIFIC VALUE- ADDED COURSE- VEDIC ALGEBRA Course Code: MU231V02

On the s	On the successful completion of the course, students will be able to:			
1.	remember mathematical concepts and solutions using Vedic algebra	<b>K</b> 1		
	terminology and notation, ensuring clarity and precision in their			
	explanations.			
2.	understand the mathematical concepts and principles underlying Vedic	K2		
	algebra techniques, fostering a comprehensive grasp of the subject			
	matter.			
3.	apply Vedic algebra techniques proficiently to solve equations and	K3		
	mathematical problems, demonstrating precision and accuracy.			
4.	analyze the applicability of Vedic algebra methods in various	K4		
	mathematical contexts, discerning their strengths and limitations through			
	critical examination.			
5.	evaluate the effectiveness of Vedic algebra in enhancing problem-solving	K5		
	skills and mathematical reasoning, employing rigorous assessment			
	criteria and methodologies.			

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 – Evaluate

#### SEMESTER I SPECIFIC VALUE - ADDED COURSE - SAMPLING TECHNIQUES Course Code: MU231V03

On the s	On the successful completion of the course, students will be able to:		
1.	recall and list different sampling methods such as simple random	K1	
	sampling, systematic sampling, and stratified sampling.		
2.	understand appropriate sampling methods to create survey designs or	K2	
	experimental setups based on specific research objectives and		
	population characteristics.		
3.	apply knowledge of sampling errors to distinguish between biased and	K3	
	unbiased errors and assess their potential impact on survey outcomes.		
4.	analyse survey designs by evaluating the suitability and effectiveness of	K4	
	sampling methods.		
5.	evaluate the best sampling strategies based on understanding sampling	K5	
	principles to ensure accurate and reliable survey outcomes.		

K1– Remember; K2 - Understand; K3 – Apply; K4 - Analyse; K5 – Evaluate

### SEMESTER II CORE COURSE III: COORDINATE AND SPATIAL GEOMETRY Course Code: MU232CC1

On the successful completion of the course, students will be able to:		
1.	recall the definitions and formulae of key concepts in coordinate and	K1
	spatial geometry	
2.	describe the relationships between geometric shapes and their equations	K2

	and summarize the properties of different transformations on the	
	coordinate plane	
3.	solve real world problems involving lines, planes and spheres using	K3
	analytical geometry concepts	
4.	analyze the properties of equations of lines, planes and spheres	K4
5.	evaluate complex problems that require the application of coordinate and	K5
	spatial geometry concepts.	

K1 - Remember; K2 - Understand; K3- ApplyK4- AnalyzeK5-Evaluate

#### **SEMESTER II**

### CORE COURSE IV: INTEGRAL CALCULUS

### **Course Code : MU232CC2**

On the successful completion of the course, students will be able to:		
1.	determine the integrals of algebraic, trigonometric and logarithmic	K1
	functions and to find the reduction formulae.	
2.	evaluate double and triple integrals and problems using change of order	K2
	of integration.	
3.	solve multiple integrals and to find the areas of curved surfaces	K3
	and volumes of solids of revolution.	
4.	explain beta and gamma function sand to use them in solving problems	K2
	of integration.	
5.	explain Geometric and Physical applications of integral calculus.	K2

 $\overline{K1}$  - Remember;  $\overline{K2}$  - Understand;  $\overline{K3}$  - Apply

SEMESTER – II

### **ELECTIVE COURSE – II: VECTOR CALCULUS AND FOURIER SERIES**

### **Course Code : MU232EC1**

On the s	On the successful completion of the course, student will be able to:		
1	remember the formulae of vector differentiation, integration and Fourier	K1	
	series		
2	understand various theorems related to vector differentiation, integration	K2	
	and Beta, Gamma functions		
3	solve problems on vector differentiation, integration, Beta, Gamma	K3	
	functions and Fourier series		
4	compare double and triple integrals, line, surface integrals, Beta, Gamma	K2	
	functions and Fourier series for Even and odd functions		

K1–Remember K2 - Understand K3 - Apply

### **SEMESTER - II**

### NON-MAJOR ELECTIVE II

## MATHEMATICS FOR COMPETITIVE EXAMINATIONS II COURSE CODE : MU232NM1

On the successful completion of the course, student will be able to:		
1.	understand the problems and remember the methods to solve problems.	K2
2.	identify the appropriate method to solve problems.	K1
3.	apply the best mathematical method and obtain the solution in short.	K3
4.	apply fundamental mathematical concepts to calculate simple interest, compound interest	К3
5.	develop problem-solving skills and critical thinking by effectively solving real-world scenarios involving financial calculation	K2

K1 - Remember; K2 - Understand; K3 - Apply

### SEMESTER – II

# SKILL ENHANCEMENT COURSE -SEC-I:

### INTRODUCTION TO COMPUTATIONAL MATHEMATICS

### Course Code : MU232SE1

On the successful completion of the course, student will be able to:		
	gain an appreciation for the role of computers in mathematics,	K1 & K2
1	science, and engineering as a complement to analytical and	
	experimental approaches.	
	acquire a strong foundation in numerical analysis, enabling	K2
2	students to evaluate and analyze numerical solutions for	
	mathematical problems.	
3	use and evaluate alternative numerical methods for the solution	K3
5	of systems of equations.	
4	foster critical thinking skills in assessing computational methods	K3
4	for problem solving.	
5	apply mathematical concepts to practical problems through	K3
	computational approaches.	

K1 - Remember; K2 - Understand; K3 - Apply

### SEMESTER I & II

### Life Skill Training I: Catechism

Course	Upon completion of this course the students will be able to
Outcome	

1	understand the aim and significance of value education
2	develop individual skills and act confidently in the society
3	learn how to live lovingly through family values
4	enhance spiritual values through strong faith in God
5	learn good behaviours through social values

### **SEMESTER I & II**

### Life Skill Training I: Moral

### Course Code: UG232LM1

Course	Upon completion of this course the students will be able to
Outcome	
1	understand the aim and significance of value education
2	develop individual skills and act confidently in the society
3	learn how to live lovingly through family values
4	enhance spiritual values through strong faith in God
5	learn good behaviours through social values

### SEMESTER III CORECOURSE V :VECTOR CALCULUS AND ITS APPLICATIONS Course Code: MU233CC1

On the s	On the successful completion of the course, students will be able to:		
1	remember the formulae of vector differentiation, integration and the	K1	
	basic principles of vectors, including their properties, operations,		
	and geometric interpretations		
2	understand the concepts of divergence and curl and their	K2	
	applications in physics and engineering		
3	apply Green's, Gauss', and Stokes' theorems to solve problems	K3	
	involving line and surface integrals, demonstrating their		
	understanding of vector calculus principles		
4	gain proficiency in differentiating vectors and interpreting their	K4	
	gradients geometrically		
5	learn how to integrate vectors to calculate work done by forces and	K5	
	solve related problems		

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 – Evaluate:

#### SEMESTER III CORECOURSE VI: DIFFERENTIAL EQUATIONS AND APPLICATIONS Course Code: MU233CC2

On the successful completion of the course, students will be able to:		
1	learn Exact differential equations and Bernoulli's equations	K1
2	learn methods of forming and solving partial differential equations	K2, K4
3	apply the concepts to solve problems in physical sciences and engineering	К3
4	solve linear differential equations with constant coefficients	K5
5	solve linear differential equations with variable coefficients	K5

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 - Evaluate;

### SEMESTER III ELECTIVE COURSE III: MATHEMATICAL STATISTICS Course Code: MU233EC1

On the	On the successful completion of the course, students will be able to:		
1	calculate and interpret correlation coefficients and regression lines, and	K1	
	their applications in analyzing relationships between variables.		
2	understand Theory of Attribute in statistics, including concepts like	K2	
	consistency of data, independence, and association		
3	acquire knowledge of index numbers and learn how to apply index	K3	
	numbers in economic analysis		
4	learn about rank correlation and understand when and how to use them to	K4	
	assess monotonic relationships between variables.		
5	develop proficiency in interpolation methods and apply these techniques to	K5	
	estimate values within a set of data points with precision.		

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 - Evaluate;

#### SEMESTER III SKILL ENHANCEMENT COURSE SEC-II: SPHERICAL TRIGONOMETRY Course Code: MU233SE1

On the successful completion of the course, students will be able to:		
1	explain the concepts great and small circles, axis and poles of great	K2
	circles	
2	define spherical angle and also the angle of intersection between two	K2
	great circles	
3	calculate the arc length between two points on a sphere using the	K3

	cosine rule for sides	
4	distinguish between plane trigonometry and spherical trigonometry	K4
5	discuss and derive the spherical cosine, sine, supplemental cosine	K5
	and cotangent rules	

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 - Evaluate;

#### SEMESTER III / IV SKILL ENHANCEMENT COURSE SEC IV: DIGITAL FLUENCY Course Code: UG23CSE2

On t	he successful completion of the course, students will be able to:	
1.	work with text, themes and styles	K1
2.	produce a mail merge	K2
3.	secure information in an Excel workbook	K2
4.	perform documentation and presentation skills	K2, K3
5.	add special effects to slide transitions	K3

**K1** - Remember; **K2** - Understand; **K3** – Apply

#### SEMESTER III SPECIFIC VALUE-ADDED COURSE –BASIC FUZZY ALGEBRA Course Code: MU233V01

On the successful completion of the course, students will be able to:		
	learn fuzzy versus crisp, fuzzy sets and definition	K1
2	understand general definitions and properties of Fuzzy sets, general	K2
	properties: Fuzzy versus crisp	
3	study Extension principles of Fuzzy sets, fuzzy compliments	K2
4	learn Binary operations of two Fuzzy numbers	K2, K3
5	apply the Fuzzy logic concepts to truth values and truth table	K3

K1– Remember; K2 - Understand; K3 – Apply;

### SEMESTER III SPECIFIC VALUE-ADDED COURSE –STATISTICAL SURVEY Course Code: MU233V02

On the successful completion of the course, students will be able to:		
1.	recall the main steps involved in planning a survey and identifying	K1
	sources of primary and secondary data.	
2.	understand the purpose of survey planning, the nature of information	K2
	required, and the importance of selecting appropriate data collection	
	techniques	

3.	apply survey planning principles to design effective surveys and select	К3
	suitable methods for data collection	
4.	analyze survey data to identify patterns, trends, and potential sources of	K4
	error or bias.	
5.	create comprehensive survey reports that present survey findings clearly	K6
	and effectively, drawing conclusions and making recommendations	
	based on the analysis of the data collected	

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create

### SEMESTER III SPECIFIC VALUE-ADDED COURSE – DATA STRUCTURES Course Code: MU233V03

On the successful completion of the course, student will be able to:		
1	recall the definitions and properties of elementary data structures like arrays, stacks, queues, and linked lists.	K1
2	explain the principles underlying these data structures and their applications in problem-solving.	K2
3	utilize appropriate data structures to represent rooted trees and demonstrate the relationships between nodes within these structures.	К3
4	analyze the properties of red-black trees and their role in maintaining balance in dynamic data structures.	K4
5	evaluate the efficiency and scalability of disjoint-set data structures for solving problems involving dynamic connectivity.	K5

K1 – Remember; K2 – Understand; K3 – Apply; K4- Analyze; K5 – Evaluate

### SEMESTER III/V SELF LEARNING COURSE: SET/NET ALGEBRA ESSENTIALS Course Code: MU233SL1/MU235SL1

On the successful completion of the course, students will be able to:		
1	demonstrate the ability to compute line integrals over rectifiable arcs and	<b>V</b> 2 V2
	apply Cauchy's Theorem to evaluate integrals in various domains.	к2, к3
2	interpret and apply advanced concepts such as Jensen's Formula and	V2 V1
	Hadamard's Theorem to analyze the behavior of entire functions and	<b>N</b> J, <b>N</b> 4

	infinite products.	
3	apply the calculus of residues to evaluate definite integrals and utilize harmonic functions to solve boundary value problems using Poisson's Formula and Schwarz's Theorem.	K3, K5
4	construct power series expansions using Weierstrass's Theorem and apply partial fractions and factorization techniques to manipulate complex functions.	K3, K6
5	analyze the local properties of analytic functions, including removable singularities, zeros, poles, and the Maximum Principle.	K4

K2 - Understand; K3 – Apply; K4 - Analyse; K5 - Evaluate; K6– Create

### SEMESTER IV CORE COURSE VII: GROUPS AND RINGS Course Code: MU234CC1

On the s	On the successful completion of the course, students will be able to:		
1	recall the definitions of groups, rings, functions and also examples of	K1	
	groups and rings		
2	explain the properties of groups, rings and different types of groups and	K2	
	rings		
3	develop proofs of results on Permutation groups, Cyclic groups,	K3	
	Quotient group, Subgroups, sub rings, quotient rings		
4	test the homomorphic and isomorphic properties of groups and rings	K4	
5	examine the properties of Ideals - Maximal and Prime ideals - Cosets -	K5	
	order of an element		

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 - Evaluate;

### SEMESTER IV CORE COURSEVIII: ELEMENTS OF MATHEMATICAL ANALYSIS Course Code: MU234CC2

On the successful completion of the course, students will be able to:		
1	recall the basic concepts of real numbers, definitions on sequences and	K1
	series of real numbers	
2	explain the primary concepts of sequences and series of real numbers	K2
3	calculate limit of the sequences and determine the convergence of the	

	series by applying Cauchy's principles, root test and ratio tests	K3
4	analyse the properties of real numbers, nature of sequences and series	K4
5	evaluate the behavior of sequences and the convergence of series using	
	different types of tests	K5

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyze; K5 - Evaluate;

### SEMESTER IV ELECTIVE COURSE IV: TRANSFORM TECHNIQUES Course Code: MU234EC1

On the successful completion of the course, students will be able to:		
1.	recall basic knowledge about Laplace transforms, inverse Laplace	K1
	transforms, Fourier series, Fourier transform, and Z-transforms,	
	including their definitions, properties, and fundamental concepts.	
2.	demonstrate a solid understanding of the principles and concepts	K2
	underlying Laplace transforms, inverse Laplace transforms, Fourier	
	series, Fourier transform, and Z-transforms, including their	
	applications in mathematical analysis and signal processing.	
3.	apply Fourier sine and cosine transforms to solve difference	К3
	equations.	
4.	apply transform techniques to evaluate integrals, and solve ordinary	КЗ,
	and partial differential equations with constant and variable	K4
	coefficients.	
5.	analyze and decompose periodic functions using the Fourier series,	K5
	including expansion of periodic functions of period $2\pi$ , expansion of	
	even and odd functions, and representation of functions over half	
	intervals.	

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate

#### SEMESTER III / IV SKILL ENHANCEMENT COURSE SEC III: FITNESS FOR WELLBEING Course Code: UG23CSE1

On the successful completion of the course, student will be able to:		
1	know physical, mental, and social aspects of health	K1
2	understand holistic health and the role of physical fitness.	K2
3	apply mindfulness and yoga for stress management and mental clarity.	K3

4	implement proper personal hygiene practices for cleanliness and	К3
	disease prevention.	
5	evaluate and implement right nutritional choices.	K5

K1-Remember; K2-Understand; K3-Apply; K5-Evaluate

#### SEMESTER IV ENVIRONMENTAL STUDIES Course Code: UG234EV1

On the successful completion of the course, students will be able to:		
1.	know the different kinds of resources, pollution and ecosystems	K1
2.	understand the biodiversity and its constituents	K2
3.	use the methods to control pollution and, to conserve the resources and ecosystem	K3
4.	analyse the factors behind pollution, global warming and health effects for sustainable development	K4
5.	evaluate various water, disaster and waste management systems	K5

K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyse; K5 - Evaluate

#### SEMESTER IV

### SELF LEARNING COURSE II: ANALYSIS AND FORECASTING Course Code: MU234SL1/MU236SL1

On the successful completion of the course, students will be able to:		
omponents of a time series, including trend,	K1	
cyclical patterns		
ce of time series analysis in various fields and	K2	
ormed decisions		
ess and reliability of the chosen forecasting	K2	
ionary and non-stationary time series data and	K4	
unctions		
edures to predict future values of a time series	K5	
lity		
	are course, students will be able to:   components of a time series, including trend,   cyclical patterns   ce of time series analysis in various fields and   cormed decisions   ess and reliability of the chosen forecasting   tionary and non-stationary time series data and   unctions   redures to predict future values of a time series   lity	

K2 - Understand; K3 – Apply; K4 - Analyse; K5 - Evaluate;

### SEMESTER III & IV LIFE SKILL TRAINING II: MORAL

Upon completion of this course the students will be able to		
1	know the significance of life	K1
2	understand the importance of self-care	K2
3	realise the duty of youngsters in the society and live up to it	K3
4	analyse how to achieve success in profession	K4
5	develop mystical values by inculcating good thoughts	K5

### Course Code: UG234LM1

K1 - Remember; K2 - Understand; K3 – Apply; K4 - Analyse; K5 – Evaluate

#### SEMESTER III & IV LIFE SKILL TRAINING II: CATECHISM Course Code: UG234LC1

Upon completion of this course the students will be able to		
1	know and understand the aim and importance of value education	K1,K2
2	get rid of inferiority complex and act confidently in the society	K3
3	live lovingly by facing loneliness and make decisions on their own	K3
4	develop human dignity and able to stand bravely in adversity	K6
5	learn unity in diversity and grow in a life of grace	K6

K1 - Remember K2-Understand; K3-Apply; K6- Create