



PERUNTHALAIVAR KAMARAJAR ARTS COLLEGE

(An Institution functioning under the Aegis of Pondicherry Society for Higher Education)

(Accredited by NAAC with 'B' Grade)

KALITHEERTHALKUPPAM, PUDUCHERRY- 605 107

DEPARTMENT OF MATHEMATICS

Program Specific Outcome - B.Sc. Mathematics

1. To provide a Strong Foundation in Mathematics.
2. To update basic Mathematical skills to the College level.
4. To Develop and Maintain Problem Solving Techniques.
5. To provide a Variety of Career Paths.
6. To inculcate the ability to Communicate Mathematical ideas.
7. To Expertise in Computational Mathematical Skills.
8. To Provide Sufficient Knowledge to acquaint with the competitive world.

PERUNTHALAIVAR KAMARAJAR ARTS COLLEGE
DEPARTMENT OF MATHEMATICS
SUBJECT WISE OUTCOME (CBCS)

S.NO	SEM/YEAR	SUBJECT CODE	SUBJECT NAME	OUTCOME
1	I SEM/ I YEAR	MT1 (1)	Theory of Equation and Trigonometry	<ul style="list-style-type: none"> ➤ Understand the concept of solving any type of equations ➤ Acquire knowledge of basic Complex quantity.
2		MT2 (1)	Differential Calculus	<ul style="list-style-type: none"> ➤ Understand the Concept of the rate of changes ➤ Ability to create a model for the simple physical system.
3		AE1 (1)	Public Administration	<ul style="list-style-type: none"> ➤ Acquire the knowledge of duties and rights ➤ Understand the importance of respecting others
4	II SEM / I YEAR	MT3 (1)	Analytical Geometry of 3D	<ul style="list-style-type: none"> ➤ Ability to analyze three-dimensional concepts ➤ Acquire the knowledge of three-dimensional shapes
5		MT4 (1)	Integral calculus	<ul style="list-style-type: none"> ➤ Acquire the knowledge of Area of the geometrical shapes. ➤ Able to solve Improper integrals
6		AE2 (1)	Environmental Studies	<ul style="list-style-type: none"> ➤ Gain in-depth knowledge on natural processes

				<ul style="list-style-type: none"> ➤ Acquire values and attitudes towards understanding the current environmental problems and preventing future ones.
7	III SEM/ II YEAR	MT5 (1)	Abstract Algebra	<ul style="list-style-type: none"> ➤ Acquire the knowledge of identifying the algebraic structures ➤ Understand the solutions of algebraic equations
8		MT6 (1)	Real Analysis I	<ul style="list-style-type: none"> ➤ Understand the basics of Mathematical Principles ➤ Acquire the knowledge of the use of functions
9		MT7 (1)	Logic and Lattices	<ul style="list-style-type: none"> ➤ Acquire knowledge regarding basic logic. ➤ Ability to use set theory language
10	IV SEM/ II YEAR	MT8 (1)	Linear Algebra	<ul style="list-style-type: none"> ➤ Understand the natural solutions of a System of Equations ➤ Complete analysis quadratic forms
11		MT9 (1)	Real Analysis II	<ul style="list-style-type: none"> ➤ Acquire the knowledge of Riemann Integration ➤ Understand the elementary functions in terms of Riemann Integrals
12		MT10 (1)	Vector Calculus	<ul style="list-style-type: none"> ➤ Familiarization the Concepts of multiple integrals ➤ Understand the Concepts of Multi-Dimensional Calculus

13	V SEM/ III YEAR	MT11 (1)	Complex analysis - I	<ul style="list-style-type: none"> ➤ Understand the necessary tools for complex integration ➤ Acquire the knowledge of Analytic functions
14		MT12 (1)	Ordinary Differential Equations and Laplace Transform	<ul style="list-style-type: none"> ➤ Ability to know the formation of DE ➤ Ability to solve various types of DE ➤ Ability to solve DE using Laplace transform technique
15		MT 13 (1)	Mathematical Statistics-I	<ul style="list-style-type: none"> ➤ Acquire the knowledge of Random variable ➤ Understand the concept of different distributions
16		MP	Programming Using SCILAB-Practical	<ul style="list-style-type: none"> ➤ Acquire the knowledge scientific calculations by programs
		MT	Programming Using SCILAB-Theory	<ul style="list-style-type: none"> ➤ Understand the concepts of Scientific calculation
17	VI SEM/ III YEAR	MT 14(1)	Complex analysis – II	<ul style="list-style-type: none"> ➤ Understand the concept of Contour Integration ➤ Evaluating the real integrals using complex variables
18		MT 15 (1)	Operations Research – II	<ul style="list-style-type: none"> ➤ Acquire knowledge to use OR methods for computation ➤ Derive solutions for a business problem using methods in OR

19		MT16 (1)	Partial Differential Equations	<ul style="list-style-type: none"> ➤ Understand the methods of solving PDE ➤ Acquire the knowledge of Wave, Heat and Laplacian equations ➤ Solving transform techniques
20		MT17 (1)	Numerical Methods	<ul style="list-style-type: none"> ➤ Derive the approximate solutions with the desired accuracy ➤ Knowledge of difference calculus
21		MP 17 (1)	Programming Lab in Numerical Methods – Practical	<ul style="list-style-type: none"> ➤ Understand the different types of Program in Numerical methods

SUBJECT OUTCOME FOR FOUNDATION COURSES (CBCS)

DEPARTMENT OF ENGLISH JULY 2017—APRIL 2020 (CBCS)

Sl. No.	Subject	Subject code	Outcome
1	Foundation course-English I	EN1(1)	To enhance SLRW skills
2	Foundation course-English II	EN1(2)	To enhance SLRW skills
3	Foundation course-English III	EN1(3)	To enhance SLRW skills
4	Foundation course-English IV	EN1(4)	To enhance SLRW skills

DEPARTMENT OF TAMIL July 2017 to April 2020 (CBCS)

Semester	Subject	Subject Code	Outcomes of the Subject
I	Tamil Foundation Course I	LT1(1)	To know the basic Tamil Literature
II	Tamil Foundation Course II	LT2(1)	To know the basic Tamil Literature
III	Tamil Foundation Course III	LT3(1)	To know the basic Tamil Literature
IV	Tamil Foundation Course IV	LT4(1)	To know the basic Tamil Literature

DEPARTMENT OF FRENCH (CBCS)

Semester	Subject	Subject Code	Outcomes of the Subject
I	French - I	LF1(1)	To know the basics of French Language, Grammar, to write basic sentences, and learn to ask questions.
II	French - II	LF2(1)	To know more about the history and culture of France and learn to frame and describe information in French
III	French - III	LF3(1)	To know the lifestyle of French people and their cultural activities and learn to write in brief on general topics
IV	French - IV	LF4(1)	To understand the basics of French literature, Letter writing, and advanced grammar