



# PRINCE SHRI VENKATESHWARA ARTS AND SCIENCE COLLEGE

Gowrivakkam, Chennai-600073.

Affiliated to University of Madras, ISO 9001:2015 Certified Institution

Recognized by UGC under section 2(f) of UGC Act 1956

## DEPARTMENT OF COMPUTER SCIENCE WITH DATA SCIENCE

2022-2023

### COURSE OUTCOMES

YEAR/ SEM: I/ I - LA11A - TAMIL - I

NO.	COURSE OUTCOME
C101.1	மரபு மற்றும் புதுக்கவிதைகளின் வாயிலாக அக்காலச் சூழல் மற்றும் சமூகச் சிக்கல்களை அறிகின்றனர்.
C101.2	நாட்டுப்புறப்பாடல்களின் வாயிலாக சமூகஅமைப்பு, வேளாண் செய்திகள் மற்றும் நீர்ப்பாசனம் போன்ற செய்திகளை அறிகின்றனர்.
C101.3	சிறுகதை மற்றும் உரைநடையின் வாயிலாகப் பல்வேறுகாலச் சூழல்களை அறிகின்றனர்.
C101.4	நாற்காலிக்காரர் நாடகத்தின் வாயிலாக தேர்தல் களம் பற்றி அறிகின்றனர்.
C101.5	மொழிப்பயிற்சியின் வாயிலாக வாக்கியங்கள், இருவழக்குகள், சொல்வகைகள் ஆகியவற்றை அறிகின்றனர்.

YEAR/ SEM: I/ I - LE11A - HINDI - I

NO.	COURSE OUTCOME
C102.1	To Develop Communicating, Reading and Writing skills in Hindi.
C102.2	To Understand the vision of Prem Chand about the poor people
C102.3	To Learn the literary work on the basis of foundation laid by the Scholars.
C102.4	To Develop the approach of Hindi language
C102.5	To Understand the various forms of Functional Hindi according to its area of application.



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### YEAR/ SEM: I/I - LZ11A - COMMUNICATIVE ENGLISH - I

NO.	COURSE OUTCOME
C103.1	To develop the knowledge of skillful learning
C103.2	Ability to write coherent paragraphs with wide range of vocabulary
C103.3	To teach the aspects of grammar
C103.4	To learn word power and vocabulary skills other aspects of Communicative skill
C103.5	Ability to participate in short group conversations. Ability to use collocations, fixed and semifixed expressions

### YEAR/ SEM: I/I - TC21A - INTRODUCTION TO DATA SCIENCE

NO.	COURSE OUTCOME
C104.1	To Understand the fundamental concepts of data science.
C104.2	To Evaluate the data analysis techniques for applications handling large data and demonstrate the data science process.
C104.3	To Understand the concept of machine learning used in the data science process.
C104.4	To Visualize and present the inference using various tools.
C104.5	To Learn to think through the ethics surrounding privacy, data sharing.

### YEAR/ SEM: I/I - TC211 - DATA SCIENCE USING PYTHON LAB

NO.	COURSE OUTCOME
C105.1	To Demonstrate proficiency in handling of loops and creation of functions.
C105.2	To Identify the methods to create and manipulate lists, tuples and dictionaries.
C105.3	To Discover the commonly used operations involving regular expressions and file system.
C105.4	To Interpret the concepts of Object-Oriented Programming as used in Python
C105.5	To Identify the concept of built-in functions



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### YEAR/ SEM: I/I - SM3AA - MATHEMATICS - I

NO.	COURSE OUTCOME
<b>C106.1</b>	To Apply tools and ideas in Mathematics for Solving Applied Problems
<b>C106.2</b>	To Understand the importance of Matrices and its Applications
<b>C106.3</b>	To Acquire ideas on Series, Theory of Equations and its Applications.
<b>C106.4</b>	To Understand knowledge about the Expansions of Trigonometric Functions, Hyperbolic Functions
<b>C106.5</b>	To Acquire basics of Differentiation and its Applications. The notion of Curvature, Polar Co-ordinates

### YEAR/ SEM: I/I - PZ1SA - ENGLISH FOR PHYSICAL SCIENCE - I

NO.	COURSE OUTCOME
<b>C107.1</b>	To use appropriate words in a professional context
<b>C107.2</b>	To gain understanding of basic grammatic structures and use them in right context
<b>C107.3</b>	To read and infer the denotative and connotative meanings of technical texts
<b>C107.4</b>	To write definitions, descriptions, narrations and essays on various topics
<b>C107.5</b>	To create substantial base by the formation of strong professional vocabulary

### YEAR/ SEM: I/I - SM5AA - FUNCTIONAL MATHEMATICS - I

NO.	COURSE OUTCOME
<b>C108.1</b>	To Apply Mathematical Methodologies to understand and to solve problems
<b>C108.2</b>	To Understand Brief Description of Learning Objective
<b>C108.3</b>	To Understand Quantitative Reasoning, Mental Alertness
<b>C108.4</b>	To Arithmetic Ability in problems solving and Mathematical Skills



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C108.5	To Important measure for a Prospective Business Executive Abilities
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### YEAR/ SEM: I/I - NLT1D - BASIC TAMIL - I (NME)

NO.	COURSE OUTCOME
C109.1	தமிழ் எழுத்துகளைத் தெரிந்து கொள்ளுதல்.
C109.2	தமிழ் ஒலியன்களை உச்சரிக்கக்கற்றுக் கொள்ளுதல்.
C109.3	எழுத்துக்களைக் கொண்டு சொற்களை உருவாக்குதல்.
C109.4	அன்றாடப் பயன்பாட்டு சொற்களைப் பயிற்றுவித்தல்.
C109.5	தமிழ் மொழியை அறிந்து கொள்ளுதல்.

### YEAR/ SEM: I/II - LA12A - TAMIL - II

NO.	COURSE OUTCOME
C110.1	சங்க இலக்கியங்களின் வாயிலாக அக்காலமக்களின் வாழ்வியலை அறிகின்றனர்.
C110.2	புறநானூற்றின் வாயிலாக மன்னர்களின் போர்ச் சமூக அமைப்பை அறிகின்றனர்.
C110.3	முல்லைப்பாட்டின் வாயிலாக முல்லைநிலமக்களின் வாழ்வியல், பண்பாடு ஆகியவற்றை அறிகின்றனர்.
C110.4	திருக்குறள் மற்றும் நாலடியார் வாயிலாக ஈகை மற்றும் ஒழுக்கத்தை அறிகின்றனர்.
C110.5	மொழிப்பயிற்சி வாயிலாக தமிழைப் பிழையில்லாமல் எழுதவும் பேசவும் அறிகின்றனர்.

### YEAR/ SEM: I/II - LE12A - HINDI - II

NO.	COURSE OUTCOME
C111.1	To Understand the drama and the stories based on social problems.
C111.2	To Understand the change in content and style of expression in short stories in modern period
C111.3	To Develop the skills of Translation from Hindi to English by using high technical words



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<b>C111.4</b>	To Analyse the development of one act play.
<b>C111.5</b>	To Understand the meaning concept of Functional Hindi

### YEAR/ SEM: I/II - LZ12A - COMMUNICATIVE ENGLISH - II

NO.	COURSE OUTCOME
<b>C112.1</b>	Ability to comprehend both the written and spoken texts. Ability to frame questions and answer them. Ability to write/speak grammatically correct sentences.
<b>C112.2</b>	To enroll people in our ideas, our visions, and our visions.
<b>C112.3</b>	To enhance listening skills
<b>C112.4</b>	Awareness of the art of personal letter/email writing without grammatical errors.
<b>C112.5</b>	To analyse crucial for effectiveness – particularly in sales or leadership roles.

### YEAR/ SEM: I/II - TC22A - JAVA AND DATA STRUCTURES

NO.	COURSE OUTCOME
<b>C113.1</b>	To Use and implement abstract datatypes such as lists, stacks, queues, and trees.
<b>C113.2</b>	To Choose the appropriate data structure for modeling a given problem.
<b>C113.3</b>	To Develop recursive algorithms & programs and to Develop Java Standalone applications and Applets.
<b>C113.4</b>	To Use standard libraries or packages as well as advanced object-oriented programming techniques (polymorphism, inheritance, and encapsulation).
<b>C113.5</b>	To Produce robust and secure programs using exception handling and extensive program testing.

### YEAR/ SEM: I/II - TC221 - DATA STRUCTURES USING JAVA LAB

NO.	COURSE OUTCOME
<b>C114.1</b>	To Differentiate static and dynamic memory allocation techniques



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<b>C114.2</b>	To Implement various operations on linear and non-linear data structures
<b>C114.3</b>	To Analyze and implement different searching and sorting techniques
<b>C114.4</b>	To Identify the appropriate data structure to solve a given problem
<b>C114.5</b>	To Compute time complexities of different algorithms

### YEAR/ SEM: I/II - SM3AE - MATHEMATICS - II

NO.	COURSE OUTCOME
<b>C115.1</b>	To Gain knowledge about basic concepts of Differential Equation, Laplace Transforms, Vector Analysis and Calculus
<b>C115.2</b>	To Acquire the knowledge of mathematics to Computer studies
<b>C115.3</b>	To Understand the different methods of solving Laplace and Inverse Laplace Transforms problems and applying it on solving Differential Equations.
<b>C115.4</b>	To Understand the Types of Integration and Reducing Formula.
<b>C115.5</b>	To Apply ideas in Vector analysis and understanding the Interpretation in Science

### YEAR/ SEM: I/II - PZ1SC - ENGLISH FOR PHYSICAL SCIENCE - II

NO.	COURSE OUTCOME
<b>C116.1</b>	To understand the basic objective of the course by being acquainted with specific dimensions of communication skills
<b>C116.2</b>	To apply it at their work place for writing purposes such as Presentation/official drafting/administrative communication
<b>C116.3</b>	To apply the communication for document/project/report/research
<b>C116.4</b>	To evaluate the correct & error-free writing by being well-versed in rules of English grammar
<b>C116.5</b>	To express their opinions effectively in both oral and written medium of communication



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### YEAR/ SEM: I/II - SM5AB - FUNCTIONAL MATHEMATICS - II

NO.	COURSE OUTCOME
C117.1	To Make mathematics functional in everyday life
C117.2	To Include recognizing and being able to solve Mensuration problems.
C117.3	To Understand and evaluate problems in Time, Work and Distance.
C117.4	To Have a grasp of stock and shares.
C117.5	To Make effective use in better understanding the world and in meeting its challenges

### YEAR/ SEM: I/II - NLT2D - BASIC TAMIL - II (NME)

NO.	COURSE OUTCOME
C118.1	தமிழ் இலக்கியங்களை அறிந்து கொள்ளுதல்.
C118.2	அற இலக்கியங்களைத் தெரிந்து கொள்ளுதல்.
C118.3	திருக்குறளின் சிறப்புகளை அறிந்து கொள்ளுதல்.
C118.4	தமிழர்களின் பண்பாடு ,நாகரிகம் போன்றவற்றைத் தெரிந்து கொள்ளுதல்.
C118.5	தமிழகத்தின் விழாக்களை அறிந்து கொள்ளுதல்.