

# SRI CHANDRASEKHADRENDRA SARASWATHI VISWA MAHAVIDYALAYA

UNIVERSITY ESTABLISHED UNDER SECTION 3 OF UGC ACT 1G56) ENATHUR,  
KANCHIPURAM - 631 561

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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Class : II B.E(CSE)

Course Code : BCSF243PQ0

Course Name : PYTHON PROGRAMMING LAB

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**BONAFIDE CERTIFICATE**

This is to certify that this is the bonafide record of work done by

Ms. TAMMIRA SRI SURYA SAI BRAHMAJI

with Reg. No 11249A369 done by of II-B.E.(CSE) in PYTHON PROGRAMMING for Lab  
during the academic year 2025 -2026.

Station : ENATHUR

Date : \_\_\_\_\_

Staff-in-charge

Head of the Department

Submitted for the Practical examination held on \_\_\_\_\_

Examinee-1

Examinee -2

T.S.S.S.BRAHAMJI

11249A369

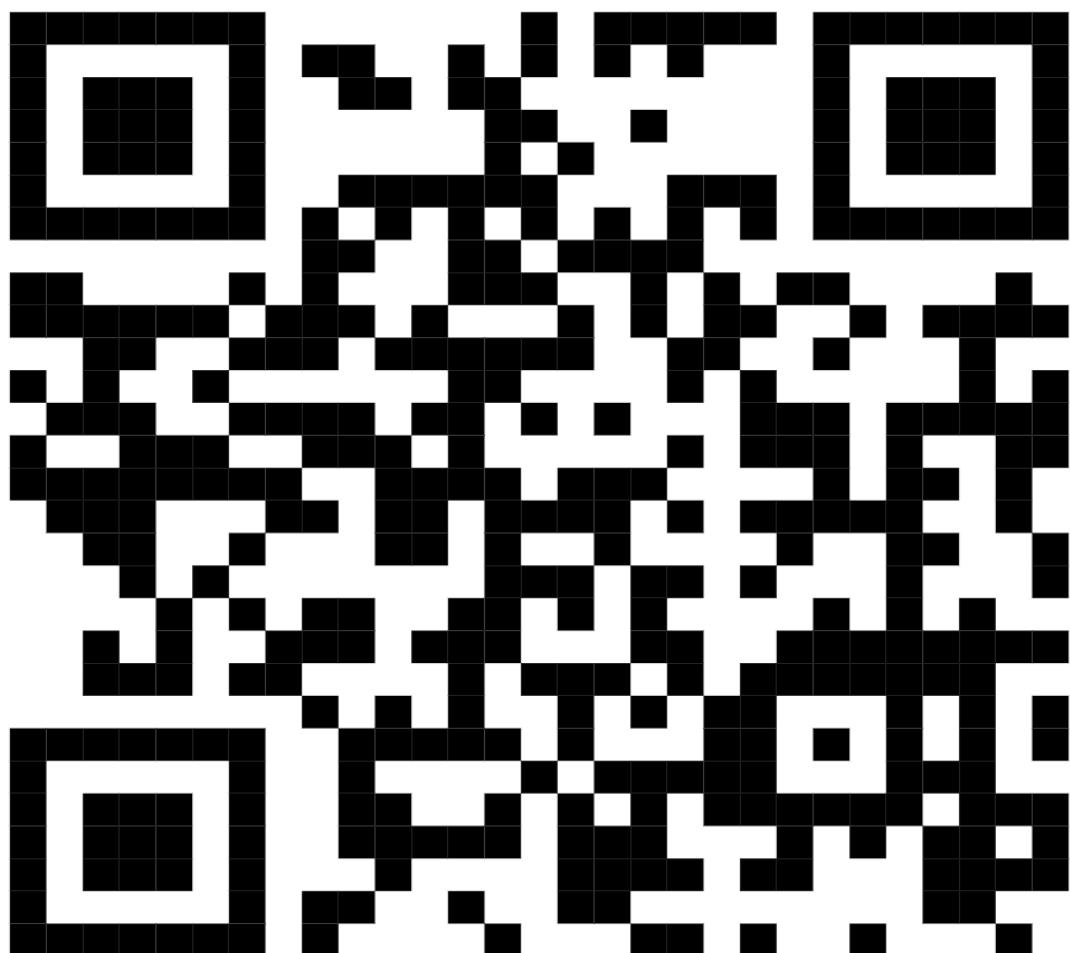
T.S.S.S.BRAHAMJI

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github

<https://github.com/11249a369-sudo/python>



# LIST OF PROGRAMS

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1	Calculation of Test Average: Write a python program to find the best of two test average marks out of three test's marks accepted from the user	07
2	Palindrome Check & Digit Occurrence Count: Develop a Python program to check whether a given number is palindrome or not and also count the number of occurrences of each digit in the input number.	10
3	Fibonacci sequence: Defined as a function F as $F_n = F_{n-1} + F_{n-2}$ . Write a Python program which accepts a value for N (where $N > 0$ ) as input and pass this value to the function. Display suitable error message if the condition for input value is not followed.	12
4	Binary to Decimal & Octal to Hexadecimal Conversion: Develop a python program to convert binary to decimal, octal to hexadecimal using functions.	15
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7	Insertion Sort & Merge Sort on lists: Write a python program to implement insertion sort and merge sort using lists.	23
8	Check Phone Number: Write a function called isphonenumber () to recognize a pattern 415-555-4242 without using regular expression and also write the code to recognize the same pattern using regular expression.	26
9	Search Phone Number & Email: Develop a python program that could search the text in a file for phone numbers (+919900889977) and email addresses (sample@gmail.com)	28
10	File Operations: Write a python program to accept a file name from the user and perform the following operations 1. Display the first N line of the file 2. Find the frequency of occurrence of the word accepted from the user in the file.	31

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<b>12</b>	Inheritance: By using the concept of inheritance write a python program to find the area of triangle, circle and rectangle.	35
<b>13</b>	Employee Details: Write a python program by creating a class called Employee to store the details of Name, Employee_ID, Department and Salary, and implement a method to update salary of employees belonging to a given department.	39
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