

EAMCET CODE: INDI









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JNTUH CODE: X3

COURSE FILE

ON

Python Programming lab

Course Code - CS201ES

I B.Tech II-SEMESTER A.Y.: 2022-2023

Prepared by
Mrs. D. SWAPNA
Assistant Professor

Head of the Department
Department of H&S
SRI INDU INSTITUTE OF ENGG & TECH
Periouda(M) Ibrahimostnam (M) R.R. Dist-501 516

Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.



ESTD: 2007

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Name of the Physical laboratory:	PYTHON PROGRAMMING LABORATORY
Course code	CS201ES
Room No	D-107
Name of the lab incharge	Mrs L.SARITHA
Name of the faculty incharge	Mrs. D.SWAPNA, Assistant Professor

Index of Lab File

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Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510, Telangana. Campus Ph: 9640590999, 9347187999.

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INSTITUTE VISION & MISSION

Vision:

To become a premier institute of academic excellence by providing the world class education that transforms individuals into high intellectuals, by evolving them as empathetic and responsible citizens through continuous improvement.

Mission:

- > **IM1:** To offer outcome-based education and enhancement of technical and practical skills.
- > **IM2:** To Continuous assess of teaching-learning process through institute-industry collaboration.
- ➤ **IM3:** To be a centre of excellence for innovative and emerging fields in technology development with state-of-art facilities to faculty and students' fraternity.
- ➤ **IM4:** To Create an enterprising environment to ensure culture, ethics and social responsibility among the stakeholders.

Head of the Department Department of H&S

SRI INDU INSTITUTE OF ENGG & TECH beriguida(M) Ibrahimpatnam (M) R.R. Dist-501 516 PRINCIPAL

Sri Indu Institute of Engineering & Tech Sheriguda(VIII), Ibrahimpatnam R.R. Dist. Telangana-501 510.



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES

To develop trained graduates with strong academic and technical skills of modern computer science and engineering.

PEO2: To promote trained graduates with leadership qualities and the ability to solve real time problems using current techniques and tools in interdisciplinary environment.

PEO3: To motivate the graduates towards lifelong learning through continuing education and professional development.

PROGRAM SPECIFIC OUTCOMES

PSO1: Professional Skills: To implement computer programs of varying complexity in the areas related to Web Design, Cloud Computing, Network Security and

Artificial Intelligence.

PSO2: Problem-Solving Skills: To develop quality products using open ended

programming environment.

Head of the Department
Department of H&S
SRI INDU INSTITUTE OF ENGG & TECH

heriouda(M) Ibrahimoatnam (M) R.R. Dist-501 510

PRINCIPAL

Sri Indu Institute of Engineering & Tech. Sheriguda(VIII), Ibrahimpatnam R.R. Dist. Telangana-501 510.



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PROGRAMME OUTCOMES

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design / Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: The Engineer & Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment & Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual & Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

PO11: Project Management & Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

> Head of the Department Department of H&S SRI INDU INSTITUTE OF ENGG & TECH

reriouda(1/1 fbrahimoatnam (M) R.R. Dist-501 510

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SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

B.Tech. in COMPUTER SCIENCE AND ENGINEERING

COURSE STRUCTURE I YEAR SYLLABUS (BR22 Regulations)

Applicable from Academic Year: 2022-23 Batch

I Year II Semester

S. No.	Course Code	Course	L	Т	P	Credits
1.	MA201BS	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2.	AP202BS	Applied Physics	3	1	0	4
3.	ME202ES	Engineering Workshop	0	1	3	2.5
4.	EN204HS	English for Skill Enhancement	2	0	0	2
5.	EC201ES	Electronic Devices and Circuits	2	0	0	2
6.	AP205BS	Applied Physics Laboratory	0	0	3	1.5
<mark>7.</mark>	CS201ES	Python Programming Laboratory	0	1	2	2
8.	EN207HS	English Language and Communication Skills Laboratory	0	0	2	1
9.	CS203ES	IT Workshop	0	0	2	1
10.	*MC201ES	Environmental Science	3	0	0	0
		Total	13	4	12	20

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PYTHON PROGRAMMING LABORATORY

(Course Code: CS201ES)

B.Tech. I Year II Sem.

LTPC

0 1 2 2

Course Objectives:

- To install and run the Python interpreter
- To learn control structures.
- To Understand Lists, Dictionaries in python
- To Handle Strings and Files in Python

Course Outcomes: After completion of the course, the student should be able to

- Develop the application specific codes using python.
- Understand Strings, Lists, Tuples and Dictionaries in Python
- Verify programs using modular approach, file I/O, Python standard library
- Implement Digital Systems using Python

Note: The lab experiments will be like the following experiment examples

Week -1:

- 1. i) Use a web browser to go to the Python website http://python.org. This page contains information about Python and links to Python-related pages, and it gives you the ability to search the Python documentation.
 - ii) Start the Python interpreter and type help() to start the online help utility.
- 2. Start a Python interpreter and use it as a Calculator.

3.

- i) write a program to calculate compound interest when principal, rate and number of periods are given.
- ii) Given coordinates (x1, y1), (x2, y2) find the distance between two points

4. Read name, address, email and phone number of a person through keyboard and print the details.

Week - 2:

1. Print the below triangle using for loop.

5

44

3 3 3

2222

11111

- 2. Write a program to check whether the given input is digit or lowercase character or uppercase character or a special character (use 'if-else-if' ladder)
- 3. Python Program to Print the Fibonacci sequence using while loop
- 4. Python program to print all prime numbers in a given interval (use break)

Week - 3:

- 1. i) Write a program to convert a list and tuple into arrays.
 - ii) Write a program to find common values between two arrays.
- 2. Write a function called gcd that takes parameters a and b and returns their greatest common divisor.
- 3. Write a function called palindrome that takes a string argument and returns True if it is a palindromeand False otherwise. Remember that you can use the built-in function len to check the length of a string.

Week - 4:

- 1. Write a function called is_sorted that takes a list as a parameter and returns True if the list is sorted in ascending order and False otherwise.
- 2. Write a function called has_duplicates that takes a list and returns True if there is any element that appears more than once. It should not modify the original list.
 - i). Write a function called remove_duplicates that takes a list and returns a new list with only theunique elements from the original. Hint: they don't have to be in the same order.
 - ii). The wordlist I provided, words.txt, doesn't contain single letter words. So you might want toadd "I", "a", and the empty string.
 - iii). Write a python code to read dictionary values from the user. Construct a function to invertits content. i.e., keys should be values and values should be keys.
- 3. i) Add a comma between the characters. If the given word is 'Apple', it should become 'A,p,p,l,e'
 - ii) Remove the given word in all the places in a string?
 - iii) Write a function that takes a sentence as an input parameter and replaces the first letter of everyword with the corresponding upper case letter and the rest of the letters in the word by corresponding letters in lower case without using a built-in function?
- 4. Writes a recursive function that generates all binary strings of n-bit length

Week - 5:

- 1. i) Write a python program that defines a matrix and prints
 - ii) Write a python program to perform addition of two square matrices
 - iii) Write a python program to perform multiplication of two square matrices
- 2. How do you make a module? Give an example of construction of a module using different geometrical shapes and operations on them as its functions.
- 3. Use the structure of exception handling all general purpose exceptions.

Week-6:

- 1. a. Write a function called draw_rectangle that takes a Canvas and a Rectangle as arguments and draws a representation of the Rectangle on the Canvas.
 - b. Add an attribute named color to your Rectangle objects and modify draw_rectangleso that ituses the color attribute as the fill color.
 - c. Write a function called draw_point that takes a Canvas and a Point as arguments and draws are presentation of the Point on the Canvas.
 - d. Define a new class called Circle with appropriate attributes and instantiate a few Circle objects. Write a function called draw_circle that draws circles on the canvas.
- 2. Write a Python program to demonstrate the usage of Method Resolution Order (MRO) in multiple levels of Inheritances.
- 3. Write a python code to read a phone number and email-id from the user and validate it forcorrectness.

Week-7

- 1. Write a Python code to merge two given file contents into a third file.
- 2. Write a Python code to open a given file and construct a function to check for given words present init and display on found.
- 3. Write a Python code to Read text from a text file, find the word with most number of occurrences
- 4. Write a function that reads a file *file1* and displays the number of words, number of vowels, blankspaces, lower case letters and uppercase letters.

Week - 8:

- 1. Import numpy, Plotpy and Scipy and explore their functionalities.
- 2. a) Install NumPy package with pip and explore it.
- 3. Write a program to implement Digital Logic Gates AND, OR, NOT, EX-OR
- 4. Write a program to implement Half Adder, Full Adder, and Parallel Adder
- 5. Write a GUI program to create a window wizard having two text labels, two text fields and two buttons as Submit and Reset.

TEXT BOOKS:

- 1. Supercharged Python: Take your code to the next level, Overland
- 2. Learning Python, Mark Lutz, O'reilly

REFERENCE BOOKS:

- 1. Python Programming: A Modern Approach, Vamsi Kurama, Pearson
- 2. Python Programming A Modular Approach with Graphics, Database, Mobile, and WebApplications, Sheetal Taneja, Naveen Kumar, Pearson
- 3. Programming with Python, A User's Book, Michael Dawson, Cengage Learning, India Edition
- 4. Think Python, Allen Downey, Green Tea Press
- 5. Core Python Programming, W. Chun, Pearson
- 6. Introduction to Python, Kenneth A. Lambert, Cengage.

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COURSE OUTCOMES

Course Name: PYTHON PROGRAMMING LABORATORY(C127)

At the End of the course, student will be able to

CO No	DESCRIPTION
C127.1	Develop the application specific codes using python. (Applying)
C127.2	Understand Strings, Lists, Tuples and Dictionaries in Python. (Understanding)
C127.3	Understand Functions in Python. (Understanding)
C127.4	Evaluate programs using modular approach, MRO,Exception Handling.(Evaluating)
C127.5	Evaluate programs using Python standard library, file I/O. (Evaluating)
C127.6	Construct Digital Systems using Python.(Creating)

COs and POs & PSOs Mapping

PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C127.1	3	2	-	1	-	-	-	-	-	-	-	1	2	3
C127.2	3	-	-	1	2	-	-	-	-	-	-	1	-	2
C127.3	3	2	-	1	-	-	-	-	2	-	2	1	1	-
C127.4	-	3	-	1	2	-	-	-	-	-	-	1	-	-
C127.5	-	3	-	1		-	-	-	-	-	-	1	1	1
C127.6	-	1	3	1	2	1	1	1	2	-	2	1	2	1
C127	3	2.5	3	1	2	-	ı	ı	2	1	2	1	1.5	1.7

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LIST OF EXPERIMENTS AND THEIR CO, PO MAPPING

S. No	Name of The Experiment	СО	PO
	1. i) Use a web browser to go to the Python website http://python.org. This page contains information about Python and links to Python-related pages, and it gives		
	ii) Start the Python interpreter and type help() to start the online help utility.		
	2. Start a Python interpreter and use it as a Calculator.		PO1,PO2,PO4
1	3. i) write a program to calculate compound interest when principal, rate and number of periods are given.	CO1	,PO12,PSO1,P SO2
	ii) Given coordinates (x1, y1), (x2, y2) find the distance between two points		
	4. Read name, address, email and phone number of a person through keyboard and print the details.		
	1.Print the below triangle using for loop.		
	5		
	4 4		
	3 3 3		
2	2 2 2 2	CO1	PO1,PO2,PO4
	11111	COI	,PO12,PSO1,P SO2
	2. Write a program to check whether the given input is digit or lowercase character or uppercase character or a special character (use 'if-else-if' ladder)		
	3.Python Program to Print the Fibonacci sequence using while loop		
	4.Python program to print all prime numbers in a given interval (use break)		
3	1. i) Write a program to convert a list and tuple into arrays.	CO2,CO3	PO1,PO2,PO4,

	ii) Write a program to find common values between two arrays.2. Write a function called gcd that takes parameters a and b and returns their greatest common divisor.3. Write a function called palindrome that takes a string argument and returnsTrue if it is a palindrome and False otherwise. Remember that you can use the built-in function len to check the length of a string.		PO5,PO9,PO1 1,PO12,PSO1, PSO2
	1. Write a function called is_sorted that takes a list as a parameter and returns True if the list is sorted in ascending order and False otherwise.		
	2. Write a function called has_duplicates that takes a list and returns True if there is any element that appears more than once. It should not modify the original list.		
	i). Write a function called remove_duplicates that takes a list and returns a new list with only the unique elements from the original. Hint: they don't have to be in the same order.		
	ii). The wordlist I provided, words.txt, doesn't contain single letter words. So you might want to add "I", "a", and the empty string.		
4	iii). Write a python code to read dictionary values from the user. Construct a function to invert its content. i.e., keys should be values and values should be keys.	CO2,CO3	PO1,PO2,PO4, PO5,PO9,PO1 1,PO12,PSO1P
	3. i) Add a comma between the characters. If the given word is 'Apple', it should become 'A,p,p,l,e'ii) Remove the given word in all the places in a string?		SO2
	iii) Write a function that takes a sentence as an input parameter and replaces the first letter of every word with the corresponding upper case letter and the rest of the letters in the word by corresponding letters in lower case without using a built-in function?		
	4. Writes a recursive function that generates all binary strings of n-bit length		
	1. i) Write a python program that defines a matrix and prints		
	ii) Write a python program to perform addition of two square matrices		
5	iii) Write a python program to perform multiplication of two square matrices	CO4, CO5	PO2,PO4,PO5, PO12,PSO1,PS
	2. How do you make a module? Give an example of construction of a module using different geometrical shapes and operations on them as its functions.		O2
	3. Use the structure of exception handling all general purpose exceptions.		
	1. a. Write a function called draw_rectangle that takes a Canvas and a Rectangle as arguments and draws a representation of the Rectangle on the Canvas.		
6	 b. Add an attribute named color to your Rectangle objects and modify draw_rectangle so that it uses the color attribute as the fill color. 	CO2,CO5	PO1,PO2,PO4, PO5,PO12,PS
	c. Write a function called draw_point that takes a Canvas and a Point as arguments and draws a representation of the Point on the Canvas.		O1,PSO2

	 d. Define a new class called Circle with appropriate attributes and instantiate a few Circle objects. Write a function called draw_circle that draws circles on the 2. Write a Python program to demonstrate the usage of Method Resolution Order (MRO)in multiple levels of Inheritances. 3. Write a python code to read a phone number and email-id from the user and 		
	validate it for correctness.		
7	 Write a Python code to merge two given file contents into a third file. Write a Python code to open a given file and construct a function to check for given words present in it and display on found. Write a Python code to Read text from a text file, find the word with most number of occurrences 	CO2,CO5	PO1,PO2,PO4, PO5,PO12,PS O1,PSO2
8	 Import numpy, Plotpy and Scipy and explore their functionalities. a) Install NumPy package with pip and explore it. Write a program to implement Digital Logic Gates – AND, OR, NOT, EX-OR Write a program to implement Half Adder, Full Adder, and Parallel Adder Write a GUI program to create a window wizard having two text labels, two text fields and two buttons as Submit and Reset. 	CO2,CO4, CO6	PO1, PO2,PO3 ,PO4,PO5,PO9 ,PO11,PO12,P SO1,PSO2



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Class: CSE-A Semester: II W.E.F-03-04-2023 LH:-D-107

	I 9:40- 10:30	II 10:30 - 11:20	III 11:20- 12:10	12:10- 12.45	IV 12.45- 1.35	V 1.35- 2.25	VI 2.25- 3.15	VII 3.15-4.00
MON	ENG	EDC	AP	L	ITWS/EV	WS LAB	PYTHON LAB(T)/ EWS(T)	
TUE	ODE	EDC	AP	U	ITWS/EV	VS LAB	ODE(T)/AP(T)	
WED	ODE	AP	ENG	N C	P	YTHON LAB		LIBRARAY
THU		н	ODE	EDC	AP	EWS(T)/ PYTHON LAB(T)		
FRI	AP/ELCS LAB]	ODE	AP	ES	AP(1)/ODE(1)	
SAT	ENG	ODE	EDC	1	ES	ENG	EDC	ES

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty	
MA201BS ODE-Ordinary Differential Equations & Vector Calculus		B.RAMADEVI	AP205BS	APLAB-Applied Physics Laboratory	P.SRINIVASACHARY/ B.SANTHI/M.JANAIAH M.MANISHA	
AP202BS	AP-Applied Physics	P.SRINIVASACHA RY	CS201ES	Python Programming Laboratory	D.SWAPNA/B.RAJASH WARI	
EN204HS	ENG- English for Skill Enhancement	G.VENKAT REDDY	EN207HS	ELCS LAB-English Language and Communication Skills Laboratory	G.VENKAT REDDY/E.PRARTHAN A	
EC201ES	EDC-Electronics Devices and Circuits	T.BHAVANI	CS203ES	ITWS-IT Workshop	K.UMAVYSHNAVI/B.R AJITHA	
ME202ES	EWS-Engineering Workshop	B.SRINUNAIK/ M.V.B.KALYAN	MC201ES	ES-Environmental Science	K.MOUNIKA	

Class In-Charge

Time Table Coordinator

SHERIGUDA

Head of The Department

Sri Indu Institute of Engg. & Tech Main Road, Sheriguda(V), Ibrahimpatnam(M), R.R. Dist. Telangana-501 510



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BR22

Python Programming Lab

Year & Semester: I YR II sem Branch: CSE A Subject Name: Python Programming Lab

Faculty Name: D. SWAPNA

Python Programming Lab External

SET-1

- 1. i) Write a python program that defines a matrix and prints
- ii) Write a python program to perform addition of two square matrices
- iii) Write a python program to perform multiplication of two square matrices
- 2. How do you make a module? Give an example of construction of a module using different geometrical shapes and operations on them as its functions.

SET-2

- 1. Use the structure of exception handling all general purpose exceptions.
- 2. Write a function called draw_rectangle that takes a Canvas and a Rectangle as arguments and draws a representation of the Rectangle on the Canvas.

SET-3

- 1. Add an attribute named color to your Rectangle objects and modify draw_rectangle so that ituses the color attribute as the fill color.
 - 2 . Write a function called draw_point that takes a Canvas and a Point as arguments and draws a representation of the Point on the Canvas.

SET-4

- 1. Define a new class called Circle with appropriate attributes and instantiate a few Circle objects. Write a function called draw_circle that draws circles on the canvas.
- 2. Write a Python program to demonstrate the usage of Method Resolution Order (MRO) in multiplelevels of Inheritances.

SET-5

- 1. Write a python code to read a phone number and email-id from the user and validate it forcorrectness.
- 2. Write a Python code to merge two given file contents into a third file.

SET-6

- 1. Write a Python code to open a given file and construct a function to check for given words present init and display on found.
 - 2. Write a Python code to Read text from a text file, find the word with most number of occurrences

SET-7

- 1. Write a function that reads a file *file1* and displays the number of words, number of vowels, blankspaces, lower case letters and uppercase letters.
- 2. Import numpy, Plotpy and Scipy and explore their functionalities.
- 3. a) Install NumPy package with pip and explore it.

SET-8

- 1. Write a program to implement Digital Logic Gates AND, OR, NOT, EX-OR
- 2. Write a GUI program to create a window wizard having two text labels, two text fields and two buttonsas Submit and Reset.

SET 9

1. Start a Python interpreter and use it as a Calculator.

2.

- i) Write a program to calculate compound interest when principal, rate and number of periods are given.
- ii) Given coordinates (x1, y1), (x2, y2) find the distance between two points
- iii) Read name, address, email and phone number of a person through keyboard and print the details.

SET 10

1. Print the below triangle using for

loop.5 4 4

3 3 3

2222

11111

- 2. Write a program to check whether the given input is digit or lowercase character or uppercase character or a special character (use 'if-else-if' ladder)
- 3. Python Program to Print the Fibonacci sequence using while loop

SET 11:

- 1. Python program to print all prime numbers in a given interval (use break)
- 2.i) Write a program to convert a list and tuple into arrays.
- ii) Write a program to find common values between two arrays.
- 3. Write a function called gcd that takes parameters a and b and returns their greatest common divisor.

SET 12:

- 1. Write a function called palindrome that takes a string argument and returnsTrue if it is a palindromeand False otherwise. Remember that you can use the built-in function len to check the length of a string.
- 2. Write a function called is_sorted that takes a list as a parameter and returns True if the list is sortedin ascending order and False otherwise.
- 3. Write a function called has_duplicates that takes a list and returns True if there is any element that appears more than once. It should not modify the original list.
- i). Write a function called remove_duplicates that takes a list and returns a new list with only theunique elements from the original. Hint: they don't have to be in the same order.
- ii). The wordlist I provided, words.txt, doesn't contain single letter words. So you might want to add"I", "a", and the empty string.
- iii). Write a python code to read dictionary values from the user. Construct a function to invert its content. i.e., keys should be values and values should be keys.

SET 13:

- 1 i) Add a comma between the characters. If the given word is 'Apple', it should become 'A,p,p,l,e'
- ii) Remove the given word in all the places in a string?
- iii) Write a function that takes a sentence as an input parameter and replaces the first letter of everyword with the corresponding upper case letter and the rest of the letters in the word by corresponding letters in lower case without using a built-in function?
- 2. Writes a recursive function that generates all binary strings of n-bit length

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Examination Branch

A.Y.: 2022-23 SEM-II

DATE	Day	Branch	Session	HT.No	Total No of Students
19-08-2023	SATURDAY	CSE-B	FN	22X31A0566 TO 22X31A05D0	65
21-08-2023	MONDAY	CYBER SECURITY	FN	22X31A6201 TO 22X31A6262	62
21-08-2023	MONDAY	AI&ML-A	AN	22X31A6601 TO 22X31A6650	50
22-08-2023	TUESDAY	DS	FN	22X31A6701 TO 22X31A6764	64
22-08-2023	TUESDAY	AI&DS	AN	22X31A7201 TO 22X31A7264	64
23-08-2023	WEDNESDAY	CSE-A	FN	22X31A0501 TO 22X31A0565	65
23-08-2023	WEDNESDAY	CIVIL	AN	22X31A0101 TO 22X31A0103	02
24-08-2023	THURSDAY	CSE-C	FN	22X31A05D1 TO 22X31A05J1	61
24-08-2023	THURSDAY	AI&ML-B	AN	22X31A6651 TO 22X31A6697	47

Head of the Department
Department of H&S
SRI INDU INSTITUTE OF ENGG & TECH
Periouda(^\) Ibrahimostnam (M) R.R. Dist-501 516

Sri Indu Institute of Engineering & Tech Sheriguda(VIII), Ibrahimpatnam R.R. Dist. Telangana-501 510



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Khalsalbrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana – 501 510

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PYTHONProgramming Lab External Time Table Examination Branch

A.Y.: 2022-23

SEM-II

DATE					Total	Remarks		
12/5/6/2/2/W	TE Day Branch Sessi on HT.No No of Studen ts	No of Studen	Internal Examiner	External Examiner				
19-08-2023	SATURDAY	CSE-B	FN	22X31A0566 TO 22X31A05D0	65	D Swapna	Md. Sirajul Huq	
21-08-2023	MONDAY	CYBER SECURITY	FN	22X31A6201 TO 22X31A6262	62	P.BALU	Chandra Sheka	
21-08-2023	MONDAY	AI&ML-A	AN	22X31A6601 TO 22X31A6650	50	M.TEJASWI	Chandra Sheka	
22-08-2023	TUESDAY	DS	FN	22X31A6701 TO 22X31A6764	64	P.BALU	Swapna G	
22-08-2023	TUESDAY	AI&DS	AN	22X31A7201 TO 22X31A7264	64	M.TEJASWI	Swapna G	
3-08-2023	WEDNESDAY	CSE-A	FN	TO 22X31A0565	65	D Swapna	A Sunitha	
23-08-2023	WEDNESDAY	CIVIL	AN	22X31A0101 TO 22X31A0103	02	B.RAJASHW ARI	A Sunitha	
24-08-2023	THURSDAY	AI&ML-B	AN	TO 22X31A6697	47	M.TEJASWI	Chaitanya Bharathi	

24-08-2023	THURSDAY	AI&ML-B	AN	TO 22X31A6697	47	M.TEJASWI	Chaitanya Bharathi
25-08-2023	FRIDAY	ют	FN	22X31A6901 TO 22X31A6963	63	P.BALU	S.Shiva shankar

FN: 9.40 am to 12.25 pm AN: 1.00 pm to 4.00 pm

HOD

EXAM BRANCH

Sri tadashtute of Enggo & Fechon Markdadashenguay (V) Ibrahpatnam (M) R. R. Distist. Telangana 50 7 61 8 10 PRINCIPAL
PRINCIPAL
PRINCIPAL
Sri Indu Institute of Engineering & i.
Sheriguda(V), Ibrahimpatnam(M)
R.R. Dist. Telangana -501 510



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TIME TABLE FOR A.Y 2022-23 LAB OCCUPANCY CHART

PYTHON PROGRAMMING LAB

Class: I-B.Tech CSE-A Semester: II LH. NO: D-107 W.E.F:03-04-2023

Period/ Day	1	2	3	12: 10-	4	5	6	7
Day	9:40- 10:30	10:30- 11:20	11:20- 12:10	12: 45	12:45- 1:30	1:30-2:20	2:20-3:10	3:10-4:00
Monday	I-II D	S –PYTH	ON LAB		I-II CS	E-CYBER –I LAB	PYTHON	
Tuesday	I-II CSE-C –PYTHON LAB		L	I-II AI&	ML -A-PYT	HON LAB		
Wednesday	I-II AI&ML -B –PYTHON LAB		U	I-II CS	SE-A –PYTH	ON LAB		
Thursday	I-II EC	E -PYTH	ON LAB	N	LAB	MAINTEN	ANCE	
Friday	I-II CSE-B –PYTHON LAB		C	I-II CSI	E-IOT –PYTI	HON LAB		
Saturday	LAB I	MAINTE	NANCE	Н	I-II AI	&DS –PYTH	ON LAB	

Head of the Department
Department of H&S
SRI INDU INSTITUTE OF ENGG & TECH
Periouda(M) Ibrahimostnam (M) R.R. Dist-501 516

Sri Indu Institute of Engineering & Tech Sheriguda(Vill), Ibrahimpatnam R.R. Dist. Telangana-501 510.

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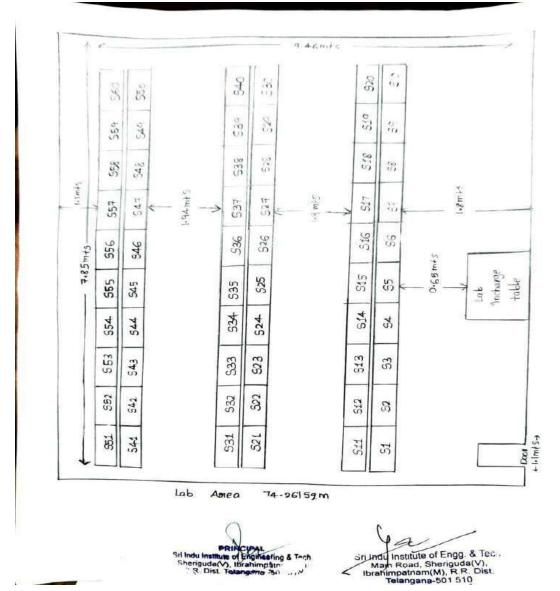
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PYTHON PROGRAMMING LAB

PHYSICAL LAB-12 FLOOR PLAN

ROOM NO: D-107 BLOCK:D FLOOR:GROUND FLOOR



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Do's

- 1. Come with completed observation and record.
- 2. Remove your shoes or wear foot socks before you enter the lab.
- 3. Always keep quiet. Be considerate to other lab users.
- 4. Report any problems with the computer to the person in charge.
- 5. Shut down the computer properly.
- 6. Wear ID card before entering into the lab.
- 7. Read and understand how to carry out an activity thoroughly before coming to the lab.
- 8. Write In time, Out time and system details in the login register

Don'ts

- 1. Do not touch any part of the computer with wet hands.
- 2. Do not change system settings.
- 3. Do not hit the keys on the computer too hard.
- 4. Don't damage, remove, or disconnect any labels, parts, cables or equipment.
- 5. Do not install or download any software or modify or delete any system files on any lab computers
- 6. Do not disturb your neighbouring students. They may be busy in completing tasks.
- 7. Do not remove anything from the computer laboratory without permission.
- 8. Do not use pen drives.



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Lab manual link:

https://drive.google.com/file/d/1ZAv1g7UzRzYoDoZrAqmvDoqRKzSnJvOr/view?usp=sharing



Department of Humanities and Sciences

Course Outcome Attainment (Internal Examination-1)

Name of the faculty: D.SWAPNA Academic Year: 2022-23 LAB

Branch & Section: CSE-A Examination: INTERNAL Lab Course Name: PYTHON PROGRAMMING Year/semester I -II SEM

S.No	HT No.	R+O+A	V+V	E+E+R
Max. Marks ==>		10	10	10
1	22X31A0501	7	5	8
2	22X31A0502	10	10	10
3	22X31A0503	7	5	8
4	22X31A0504	10	10	10
5	22X31A0505	7	5	8
6	22X31A0506	7	4	8
7	22X31A0507	7	5	8
8	22X31A0508	10	2	8
9	22X31A0509	10	6	10
10	22X31A0510	7	5	8
11	22X31A0511	7	5	8
12	22X31A0512	10	2	8
13	22X31A0513	10	2	8
14	22X31A0515	AB	AB	AB
15	22X31A0516	7	5	10
16	22X31A0517	7	5	8
17	22X31A0518	7	5	8
18	22X31A0519	7	5	8
19	22X31A0520	8	5	8
20	22X31A0521	8	5	8
21	22X31A0522	7	5	8
22	22X31A0523	7	5	8
23	22X31A0524	10	10	10
24	22X31A0525	7	3	8
25	22X31A0526	7	1	5
26	22X31A0527	7	10	10
27	22X31A0528	7	5	8
28	22X31A0529	8	5	8
29	22X31A0530	9	10	8
30	22X31A0531	10	10	10
31	22X31A0533	10	10	10
32	22X31A0534	AB	AB	AB
33	22X31A0535	10	8	10
34	22X31A0536	10	6	10

35 22X31A0537 10 6 36 22X31A0538 7 5 37 22X31A0539 10 6 38 22X31A0540 10 8 39 22X31A0541 7 5 40 22X31A0542 10 10 41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 8 10 10 8 10 10 10 10 5 10 8
37 22X31A0539 10 6 38 22X31A0540 10 8 39 22X31A0541 7 5 40 22X31A0542 10 10 41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 8 10 10 10 10 10 5 10
38 22X31A0540 10 8 39 22X31A0541 7 5 40 22X31A0542 10 10 41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 8 10 10 10 10 10 5 10
39 22X31A0541 7 5 40 22X31A0542 10 10 41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	8 10 10 10 10 5 10 8
41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 10 10 5 10 8
41 22X31A0543 10 9 42 22X31A0544 10 8 43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 10 5 10 8
43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 5 10 8
43 22X31A0545 9 10 44 22X31A0546 6 2 45 22X31A0547 10 9	10 5 10 8
45 22X31A0547 10 9	5 10 8
45 22X31A0547 10 9	8
46 22X31A0548 7 5	10
47 22X31A0549 10 10	10
48 22X31A0550 10 8	10
49 22X31A0551 10 8	10
50 22X31A0552 9 10	10
51 22X31A0553 10 10	10
52 22X31A0554 10 8	10
53 22X31A0555 9 5	8
54 22X31A0556 8 2	5
55 22X31A0557 9 3	5
56 22X31A0558 10 10	10
57 22X31A0559 10 9	10
58 22X31A0560 10 7	10
59 22X31A0561 10 7	10
60 22X31A0562 10 9	10
61 22X31A0563 8 10	10
62 22X31A0564 8 5	8
63 22X31A0565 8 5	8
6.00	6.00
Target set by the faculty / HoD	
Number of students performed above 57 57	57
the target	
58 58	58
Number of students attempted	
Percentage of students scored more 98% 98%	98%
than target	

CO Mapping with Exam Questions:

CO - 1	y	y	Y
CO - 2	y	y	Y
CO - 3	y	y	Y
CO - 4			
CO - 5			
CO - 6			

CO Attainment based on Exam Questions:

CO - 1	98%	98%	98%
CO - 2	98%	98%	98%
CO - 3	98%	98%	98%
CO - 4			
CO - 5			
CO - 6			

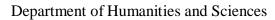
СО	Intrnal practical	E+E+R	OveralI	Level
CO-1	98%	98%	98%	3
CO-2	98%	98%	98%	3
CO-3	98%	98%	98%	3
CO-4				
CO-5				
CO-6				

Attainment Level			
1	60%		
2	70%		
3	>80%		

Attainment (Internal 1 Examination) =

3

Lab Course Name:



Course Outcome Attainment (Internal Examination-2)

Name of the faculty: D.SWAPNA Academic Year: 2022-23

Branch & Section: CSE-A Examination: LAB INTERNAL PYTHON PROGRAMMING

Year/semester

I -II SEM

S.No	HT No.	R+O+A	V+V	E+E+R	ppt
Max. Marks ==>		10	10	10	10
1	22X31A0501	8	6	10	10
2	22X31A0502	8	8	10	10
3	22X31A0503	9	6	9	10
4	22X31A0504	10	9	10	10
5	22X31A0505	9	9	10	10
6	22X31A0506	9	8	10	9
7	22X31A0507	8	6	10	10
8	22X31A0508	8	8	10	10
9	22X31A0509	9	9	10	10
10	22X31A0510	9	8	8	10
11	22X31A0511	10	8	10	10
12	22X31A0512	9	8	9	10
13	22X31A0513	9	8	9	10
14	22X31A0514	AB	AB	AB	10
15	22X31A0515	7	8	9	10
16	22X31A0516	10	9	9	10
17	22X31A0517	10	8	10	10
18	22X31A0518	9	8	10	10
19	22X31A0519	9	7	9	10
20	22X31A0520	9	8	9	10
21	22X31A0521	9	8	9	10
22	22X31A0522	9	8	9	10
23	22X31A0523	10	7	10	10
24	22X31A0524	7	6	7	10
25	22X31A0525	9	9	9	10
26	22X31A0526	9	8	9	10
27	22X31A0527	7	7	9	10
28	22X31A0528	9	8	9	10
29	22X31A0529	8	7	9	10
30	22X31A0530	9	9	10	10
31	22X31A0531	10	8	10	10
32	22X31A0532	AB	AB	AB	10
33	22X31A0533	8	9	9	10
34	22X31A0534	9	7	9	10
35	22X31A0535	9	7	9	10
36	22X31A0536	10	7	10	10
37	22X31A0537	10	8	9	10

39 22X31A0539 8 7 10 10 10 40 22X31A0540 10 9 9 9 10 41 22X31A0541 9 8 10 10 10 41 22X31A0541 9 8 10 10 10 42 22X31A0542 10 8 10 10 10 43 22X31A0543 9 9 10 10 10 44 2 22X31A0544 9 8 10 10 10 44 2 22X31A0545 10 9 10 10 46 22X31A0545 10 9 10 10 46 22X31A0546 8 7 9 9 10 10 46 22X31A0547 9 9 10 10 10 48 22X31A0548 9 4 9 9 10 10 10 48 22X31A0548 9 4 9 9 10 10 10 50 22X31A0550 9 9 9 10 10 10 50 22X31A0550 9 9 9 9 10 10 10 50 22X31A0551 9 8 10 10 5 5 22X31A0552 10 9 9 9 10 5 5 2 22X31A0552 10 9 9 9 10 5 5 2 22X31A0555 9 8 10 10 5 5 2 22X31A0555 9 8 10 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 2 22X31A0555 9 8 9 9 10 5 5 5 22X31A0555 9 8 9 9 10 5 5 6 22X31A0555 9 8 9 9 10 5 5 6 22X31A0555 9 8 9 9 10 5 5 6 22X31A0555 9 8 9 9 10 5 6 6 22X31A0556 9 6 9 9 10 10 10 6 6 22X31A0560 9 6 9 9 10 10 10 6 6 22X31A0560 9 6 9 9 10 10 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 22X31A0560 9 6 9 9 10 6 6 9 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 10 6 6 5 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 6 22X31A0560 10 9 9 9 10 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	38	22X31A0538	9	8	10	10
40						
41						
42 22X31A0542 10 8 10 10 10 10 143 22X31A0543 9 9 10 10 10 10 10 10						
43 22X31A0543 9 9 10 10	42					
44	43					
445	44					
46	45					
## ## ## ## ## ## ## ## ## ## ## ## ##	46	22X31A0546	8		9	10
48	47	22X31A0547	9	9	10	10
So	48	22X31A0548	9		9	10
S1	49	22X31A0549	10	9	10	10
S1	50		9	9	9	10
S3 22X31A0553 9 8 10 10	51	22X31A0551	9		10	10
S4	52	22X31A0552	10	9	9	10
55 22X31A0555 9	53	22X31A0553	9	8	10	10
S5	54		10		10	
57 22X31A0557 9 7 9 10 58 22X31A0558 10 9 10 10 59 22X31A0569 10 9 10 10 60 22X31A0560 9 6 9 10 61 22X31A0561 9 8 10 10 62 22X31A0562 9 8 10 10 63 22X31A0563 10 9 9 10 65 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 10 65 22X31A0565 10 9 9 10 7 9 9 10 9 9 10 8 9 10 9 9 10 9 9 9 10 9 9 10 9 10 58 57 53 58 58	55					10
S8	56	22X31A0556	9	6	9	10
S9	57	22X31A0557	9	7	9	10
60 22X31A0560 9 6 9 10 61 22X31A0561 9 8 10 10 62 22X31A0562 9 8 10 10 63 22X31A0563 10 9 9 10 64 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 10 65 22X31A0565 10 9 9 10 Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 100% 98% 91% 100%	58	22X31A0558	10	9	10	10
61 22X31A0561 9 8 10 10 62 22X31A0562 9 8 10 10 63 22X31A0563 10 9 9 10 64 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 10 65 22X31A0565 10 9 9 10 Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 100% 98% 91% 100%	59	22X31A0559	10	9	10	10
62 22X31A0562 9 8 10 10 63 22X31A0563 10 9 9 10 64 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 10 65 22X31A0565 10 9 9 10 Target set by the faculty / HoD 600 6.00 6.00 6.00 6.00 Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 58 Number of students attempted	60	22X31A0560	9	6	9	10
63 22X31A0563 10 9 9 10 64 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 10 65 22X31A0565 10 9 6.00 6.00 6.00 Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 58 Number of students attempted	61	22X31A0561	9	8	10	10
64 22X31A0564 10 8 9 10 65 22X31A0565 10 9 9 9 10 Comparison of Students attempted 64 22X31A0565 10 9 9 9 10 65 22X31A0565 10 9 9 9 10 65 22X31A0565 10 9 9 9 10 66 60 60 60 60 60 60 60 60 60 60 60 60 6	62	22X31A0562	9	8	10	10
65 22X31A0565 10 9 9 10 66 60 60 60 60 60 60 60 60 60 60 60 60 6	63	22X31A0563	10	9	9	10
6.00 6.00	64	22X31A0564	10	8	9	10
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%	65	22X31A0565	10	9	9	10
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
Target set by the faculty / HoD 58 57 53 58 Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%		•				
58 57 53 58			6.00	6.00	6.00	6.00
58 57 53 58	Target set by the faculty / Hol	D				
Number of students performed above the target 58 58 58 58 Number of students attempted 100% 98% 91% 100%						
58 58 58 58 Number of students attempted 100% 98% 91% 100%			58	57	53	58
Number of students attempted 100% 98% 91% 100%	Number of students performe	d above the target				
Number of students attempted 100% 98% 91% 100%						
100% 98% 91% 100%			58	58	58	58
100% 98% 91% 100%	Number of students attempte	ed				
	1					
Percentage of students scored more than target			100%	98%	91%	100%
	Percentage of students scored	more than target				

CO - 1				
CO - 2				
CO - 3				
CO - 4	y	y	Y	y
CO - 5	y	y	Y	y
CO - 6	y	y	Y	у

CO Attainment based on Exam Questions:

CO - 1				
CO - 2				
CO - 3				
CO - 4	100%	98%	91%	91%
CO - 5	100%	98%	91%	91%
CO - 6	100%	98%	91%	91%

СО	Intrnal practical	E+E+R	ppt	OveralI	Level
CO-1					
CO-2					
CO-3					
CO-4	99%	91%	91%	94%	3
CO-5	99%	91%	91%	94%	3
CO-6	99%	91%	91%	94%	3

Attainment (Internal 2 Examination) = 3



Department of Humanities and Sciences

Course Outcome Attainment (University Examinations)

Name of the faculty: D.SWAPNA Academic Year: 2022-23
Branch & Section: CSE-A Year / Semester: I -II SEM

Lab Course Name: PYTHON PROGRAMMING

Lab (Course Name:	PYTHON PROGRAMMING
S.No	Roll Number	Marks Secured
1	22X31A0501	50
2	22X31A0502	55
3	22X31A0503	52
4	22X31A0504	53
5	22X31A0505	49
6	22X31A0506	42
7	22X31A0507	49
8	22X31A0508	43
9	22X31A0509	54
10	22X31A0510	49
11	22X31A0511	48
12	22X31A0512	49
13	22X31A0513	44
14	22X31A0515	43
15	22X31A0516	52
16	22X31A0517	51
17	22X31A0518	49
18	22X31A0519	52
19	22X31A0520	45
20	22X31A0521	48
21	22X31A0522	32
22	22X31A0523	55
23	22X31A0524	49
24	22X31A0525	30
25	22X31A0526	54
26	22X31A0527	52
27	22X31A0528	50
28	22X31A0529	46
29	22X31A0530	47
30	22X31A0531	54
31	22X31A0533	56
32	22X31A0534	48
33	22X31A0535	50
34	22X31A0536	55

S.No	Roll Number	Marks Secured
35	22X31A0537	45
36	22X31A0538	50
37	22X31A0539	32
38	22X31A0540	45
39	22X31A0541	48
40	22X31A0542	47
41	22X31A0543	44
42	22X31A0544	43
43	22X31A0545	48
44	22X31A0546	50
45	22X31A0547	49
46	22X31A0548	35
47	22X31A0549	48
48	22X31A0550	32
49	22X31A0551	57
50	22X31A0552	50
51	22X31A0553	49
52	22X31A0554	45
53	22X31A0555	47
54	22X31A0556	48
55	22X31A0557	50
56	22X31A0558	45
57	22X31A0559	47
58	22X31A0560	46
59	22X31A0561	48
60	22X31A0562	50
61	22X31A0563	52
62	22X31A0564	47
63	22X31A0565	43

Class Average mark				
Number of students performed above the target				
Number of successful students				
Percentage of students scored more than target				
Attainment level	1			

Attainment Level	% students	
1	60%	
2	70%	
3	>80%	

Department of Humanities and Sciences

Course Outcome Attainment

Name of the faculty: D.SWAPNA Academic Year: 2022-23 Branch & Section: CSE-A Year / Semester: I -II SEM

Lab Course Name: PYTHON PROGRAMMING

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam	University Exam	Attainment Level
CO1	3.00		3.00	1.00	2.40
CO2	3.00		3.00	1.00	2.40
CO3	3.00		3.00 1.00		2.40
CO4		3.00	3.00	1.00	2.40
CO5		3.00	3.00	1.00	2.40
CO6		3.00	3.00	1.00	2.40
Internal	Internal & University Attainment:		3.00	1.00	
Weightage		70%	30%		
CO Attainment for the course (Internal, University)			2.10	0.30	
CO Attainment for the	ect Method)		2.40		

Overall course attainment level

2.40



Department of Humanities and Sciences

Program Outcome Attainment (from Course)

Name of Faculty:D.SWAPNAAcademic Year:2022-23Branch & Section:CSE-AYear / Semester:I -II SEM

Course Name: PYTHON PROGRAMMING

CO-PO mapping

CO-FO mapping														
PO/PSO/ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
C127.1	3	2	-	1	-	-	-	-	-	-	-	1	2	3
C127.2	3	-	-	1	2	-	-	-	-	-	-	1	-	2
C127.3	3	2	-	1	-	-	-	-	2	-	2	1	1	-
C127.4	-	3	-	1	2	-	1	-	1	ı	-	1	ı	_
C127.5	-	3	-	1		-	-	-	-	-	-	1	1	1
C127.6	-	-	3	1	2	-	ı	ı	2	ı	2	1	2	1
C127	3	2.5	3	1	2	-	-	-	2	-	2	1	1.5	1.7

СО	Course Outcome Attainment	
	2.40	
CO1		
	2.40	
CO2		
	2.40	
CO3		
	2.40	
CO4		
	2.40	
CO5		
CO6	2.40	
Overall course		
attainment level	2.40	

PO-ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO Attainment	2.40	2.00	2.40	0.80	1.60							0.80

CO contribution to PO - 33%, 67%, 100% (Level 1/2/3)